

<210> 11915
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 11915
 actgagctcg taagtgtatc tcataactat aagagctaca tgaagaaaat aggaataaca 60
 cacctggtat ttaaacacaa tcttcaaaat tcttgcaaca ttaaaccatag taaaatgccca 120
 gaatataaaa tgagggtgtgc taatgggtcac aggattgagg ccagcattac agtttggggt 180
 gatttttctt ttatttgctc cctcactttg tttcctagat gctagtaggg gtatctgggt 240
 tgcttgagat accattttgc aattgccccct tctctttctg cctaccatct tctcaggccc 300
 tgatgagctt attggttaggc aactgggctg ctttagtggt gaacttgtag tttagaaact 360
 gaagtggaaat cattgaaaac tttcaataaa gctttaaagt tccatttact tttgaagcac 420
 agctaagctc ctctgaaggc agctgggttg ttgcaa 456

<210> 11916
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 11916
 aaaataggag gtgactccgc attcctcttg cttggaaatg atccccagga tgggaattgtg 60
 tccagggtgt gaggttggtt gtgaatcagt cctttcagat agaatatatg aggcttgaaa 120
 ctacatagtg cttatcacca agaggatatat aggtttgtca gagcaagaag accactctcc 180
 cctccacctg accccg 196

<210> 11917
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 11917
 ttggtaacct taaattgtgt gtttttggtta gtaataacta actgtttcct catagctagt 60
 tctcaagctg catgtaagat ttttaacggga agagaaaata ggccctggacc tgaagggtctc 120
 aaatatgttg agaagaaagt atgaactata aggaacttga gatgtagatt tattttgcag 180
 gaaatacgag gaaaatagga aagaagtgtt tgccgcgt 218

<210> 11918
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 11918
 agcagttctt ccaccttttc gatgactgtt gaaatcctga agattagctg tccgactggt 60
 taggtaacac aagatgattc aaacacagct ttcagtgttg agaaaatagg taacttgtga 120
 ttcttagtcc ttgcactaat aaagc 145

<210> 11919
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 11919

taatctctgc	ggcagtccttc	tgtcgggaagt	gacgttgcta	tcccagaatc	ctcagagaag	60
gagtagcgcg	ttcgtgcgtc	ctagttccag	tacagcgtgg	agggtttagg	cagcgtgttc	120
tgattctttg	cgggacggcg	agcgcatctg	tgctttgccc	gccgcggcct	aggaggcctt	180
ttgaggccgc	gtagtcgggtg	tttttgaact	gactctacag	cttctggcag	gccgtgcggc	240
gccctgaccc	ggcctcacca	tgttggtgct	gtttgaaacg	tctgtgggtt	acgccatctt	300
taaggttcta	watgagaaga	aacttcaaga	ggttgatagt	ttatggaaaag	aatttgaaac	360
tccagnrgaa	agcaaacaaa	atcakkssac	agctctgatg	gaggggcaaa	ankcaataag	420
cagctgaaaa	aagttctgag	gaaaatagta	aaagaagccc	atgaaccg		468

<210> 11920

<211> 480

<212> DNA

<213> Homo sapiens

<400> 11920

ttaatgaagc	tattgaggca	gaaattccct	tggttggtgtg	tatcactgaa	ggaattcccc	60
agcaggacat	ggtacgagtc	aagcacaaac	tgctgcgcca	ggaaaagaca	aggctaattg	120
ggcccaactg	ccctggagtc	atcaatcctg	gagaatgtaa	aattggcatc	atgcctggcc	180
atattcacaa	aaaaggaagg	attggcattg	tgtccagatc	tggcacccctg	acttatgaag	240
cagttcacca	aacaacgcaa	gttggtattg	ggcagtcctt	gtgcgttggc	attggaggna	300
wccttttaat	ggaacagatt	ttattgactg	cctcgaaatc	tttttgaacg	attctgccac	360
agaaggcatc	atattgattg	gtgaaattgg	tggtaatgca	gaagagaatg	ctgcagaatt	420
tttgaagcaa	cataattcag	gtccaaattc	caagcctgta	gtgtccttca	ttgctggttt	480

<210> 11921

<211> 241

<212> DNA

<213> Homo sapiens

<400> 11921

cgcttccttt	cttattttta	aagaaaatag	tcccctccta	ataggagacc	agctgcggcg	60
gtctctggcc	gccagcgtg	ctcagcaaag	catgcgggtc	cttggaaacc	cttttcggg	120
aaggcggtg	ccaccaggca	arttctcaaa	ctgcctagct	gcgagttagg	ggcctgtagt	180
ggggcctccg	aatgcaatag	ccgaggagga	ggggmrugga	tcccgcctta	caarctctca	240
g						241

<210> 11922

<211> 152

<212> DNA

<213> Homo sapiens

<400> 11922

cagggatattt	tgggagagac	acacatgaaa	ctggtatcag	tgattatgca	aaatagtcta	60
ggacctggag	ccccagtgtc	cagcacatag	tgtgtgtttt	agaaatacta	atgagtagac	120
agttgttgcc	tgggtagagt	ggggtagtg	gg			152

<210> 11923

<211> 644

<212> DNA

<213> Homo sapiens

<400> 11923

tagatttggtg	gataggyggt	ggagttaaga	gcagtgtttt	gggggcagga	ggtggatctc	60
ataaagtaca	ttgtcaaagg	tgaggagaat	tacaaagaaa	cttcttaagg	gtgggggaga	120

tgataaaagaa	ccttctttaag	agtggggcag	attacaaaagt	acattgatca	gttaggggtgg	180
ggcagaaaca	aatgacaatg	gtggaatgtc	ttcagtttaag	gctgttttca	cttctgtgga	240
tcttcagttg	cttcaggcca	tctggatgta	tacgtgcagg	tcactgggat	atgatggctt	300
agcttggact	cagaggcctg	acattcctgt	cttcttatgt	taataagaaa	aataaaacaa	360
aatagtggta	aagtrttggg	rtggygaaaa	tttttggggg	gtgkyatgga	gagayaatgg	420
gcatgtttc	tcagggstgc	ttcaagcrgg	attaggggyg	gcwtgggaat	ctagagtggg	480
agagattaag	ctgaaagaag	atthttgtgt	aaggggtgat	attgtgggat	tgttagaaga	540
aacatttgtc	gtataanatg	attggtgagg	gcctggatat	ggttttgtat	taattgagaa	600
actaaacaga	agacacaagg	tccaaataag	agaaggagaa	aaac		644

<210> 11924

<211> 229

<212> DNA

<213> Homo sapiens

<400> 11924

gatgatagaa	aatagttaca	tattgcttta	ctctgtgccg	ggcattattc	taacacttca	60
cgtctcttca	cagatctgat	ccttataact	gcacagttag	gcaggctctg	ctatcatgcc	120
cattttacag	atgaagagac	tgagatttag	aggttatata	acatgcccaa	ctgattgggt	180
tggaataat	caaactgaga	ttataaatc	tgcataattt	ctttttaca		229

<210> 11925

<211> 375

<212> DNA

<213> Homo sapiens

<400> 11925

ctcccggcgc	ggcagctgtc	tgggctctgc	gcgccgccta	ggtgtctggg	cgatctatgg	60
gcaagagcaa	gggccacgat	gacagattac	ggcgaggagc	agcgcaacga	gctggaggcc	120
ctggagtcca	tctaccctga	ctccttcaca	gcttgattgc	acattgatcc	aaccctccta	180
acaactagtc	ttccaaaata	taaatggact	ctcctgatac	cacattctcc	ttcagttagt	240
cttcacttga	caaggtcctg	ctaagtatta	tcagaaaatc	caccagctt	caccattact	300
gtgacgtctg	aggctggaga	aaatgatgaa	actgtccaga	ctaccctcaa	gtttacatac	360
agtgaaaaat	accca					375

<210> 11926

<211> 411

<212> DNA

<213> Homo sapiens

<400> 11926

ctggccgcgc	cccgtccgg	cgccgcastg	tctgggctgc	tgcgcgcgcg	ctaggtgtct	60
ggcgatcta	tgggcaagag	caagggccac	gatgacagat	tacggcgagg	agcagcgcaa	120
cgagctggag	gccctggagt	ccatctaccc	tgactccttc	acagtattat	cagaaaatcc	180
accagcttc	accattactg	tgacgtctga	ggctggagaa	aatgatgaaa	ctgtccagac	240
taccctcaag	tttacatata	gtgaaaaata	cccagatgaa	gctccccttt	atgaaatatt	300
ctcccaggaa	aatctagaag	ataatgatgt	ctcagacatt	ttaaaattac	tagcattaca	360
ggctgagaaa	atcttgggtat	ggtgatgatt	tttactctag	tgacagctgt	g	411

<210> 11927

<211> 236

<212> DNA

<213> Homo sapiens

<400> 11927

aatcacacag	gatccggagc	tggtgctgat	aacagcggaa	tccccctct	acctctctcc	60
ttggtcctgg	aacagcgtca	ctgatcacca	agtagccaca	aaatataata	aaccctcagc	120
acttgctcag	tagttttgtg	aaagtctcaa	gtaaaagaga	cacaaacaaa	aaattctttt	180
tcgtgaagaa	ctccaaaaat	aaaattctct	agagataaaa	aaaaaaaaaa	aaaaag	236

<210> 11928

<211> 502

<212> DNA

<213> Homo sapiens

<400> 11928

gttgccctg	tgatccctca	agactgggtcc	acggagtgtg	tgaccacaaa	cagccatcaa	60
ggtactgagg	acagtacaga	ttagtgtgca	cagagatctc	tgtagaaaga	gtagctgccc	120
tttctcagg	cagatgatgc	tttgagaaca	tactttggcc	attaccccca	gctttgagga	180
aaatgggctt	tggatgatta	ttttatgttt	tagggacccc	caacctcagg	caattcctac	240
ctcttcacct	gacctgccc	ccacttgcca	taaaacttag	ctaagttttg	ttttgttttt	300
cagcgttaat	gtaaaggggc	agcagtgtcca	aaatataatc	agagataaag	cttaggtcaa	360
agttcataga	gttcccatga	actatatgac	tggtccacaca	ggatcttttt	gtatttaagg	420
attctgagat	tttgcttgag	caggattaga	taaggctgtt	ctttaaatgt	ctgawatgga	480
acagatttca	aaaaaaaaacc	cc				502

<210> 11929

<211> 482

<212> DNA

<213> Homo sapiens

<400> 11929

gccagccgcc	acttccgaga	gcgcctgccg	cccctgcgcc	gccgagccag	ctgccagaat	60
gccgaactgg	ggaggaggca	agaaatgtgg	ggtgtgtcag	aagacggttt	actttgccga	120
agaggttcag	tgcaaggcca	acagcttcca	taaatcctgc	ttcctgtgca	tggtctgcaa	180
gaagaatctg	gacagtacca	ctgtggccgt	gcatgggtgag	gagatttact	gcaagtccctg	240
ctacggcaag	aagtatgggc	ccaaaggcta	tggtctacggg	ctgccacccc	ccaccaaaagt	300
taaaatataa	ttgtcattcc	aggaaatcaa	aatcttttag	aatagcacac	tccaaacmnr	360
gtgatgggaa	cactactaat	tccttagact	tcctttggca	gcattacttt	tgataagaag	420
tctccaaata	aaatacaaaa	ttttggcaca	gacattttta	tcttgtcaag	acaatgtaag	480
ga						482

<210> 11930

<211> 335

<212> DNA

<213> Homo sapiens

<400> 11930

caagagatcc	agagatatga	aattacactt	caggttttaa	ccttaagggg	aaatattctt	60
tgtcaaagaa	ttaaagatta	gatgccataa	aatatacttt	ctgtacactc	atcaaccag	120
gtcaggagaa	actaggttct	ggagtcctac	gtggtttagt	ctaggaggta	ccaacagtct	180
ctcaacccaa	ggatgagcaa	tgagtcattc	tagaagggat	aaataagaac	atcatatcca	240
gataggga	catgcttcag	tttctgggtg	gatttgagag	aaggaagtat	atacaaatat	300
atgaagaaaa	aggcaatgaa	caaaggagaa	atggt			335

<210> 11931

<211> 607

<212> DNA

<213> Homo sapiens

<400> 11931

ataccttaac	acagggtagg	aagaagtggc	acagtgtatt	gcattatata	catttatcat	60
tgatttacct	aatgttacct	tgtagattaa	acactattaa	gtggtaatat	ttgaaaagga	120
gcacttatac	cataagtctt	aggaaataat	gtttgtaata	aacttaacta	tgttacatat	180
caacaggcaa	aaatatagaa	tgttacatag	tgttgtgtga	ttaaattata	gttcctgctg	240
ttaacattac	cttttgaaac	cttggctcca	gttttggtgc	ttcttataca	aattaaatgc	300
gaaaagggac	tgtaaactta	agatgtattt	taaggacttt	atctgtgctt	catcacccaa	360
cttggttcaca	ttgttaattt	ctgtccagag	acctgaaact	gcttaagtat	gggaacagac	420
tgaaatggtg	tttcaacctg	caagagacag	aagcatagac	aagtatatga	gcccttatgt	480
ccttaatgcc	aatcaactag	attgacctag	gttaaaattt	caaaaggctc	atcttctccc	540
aaagctaaat	ctttatatta	ggaacattaa	ntattgwctt	aagttgtaaa	aattgagagt	600
acaatat						607

<210> 11932

<211> 141

<212> DNA

<213> Homo sapiens

<400> 11932

accatttggt	gtctgcctct	tggggtagtg	actgccatta	tgtagcctt	ggactggcaa	60
agaaaatata	gcatacaaga	tgctatatga	atctggatac	tgtgaagaaa	atcttaccct	120
taaacaattc	ttaatgacct	c				141

<210> 11933

<211> 143

<212> DNA

<213> Homo sapiens

<400> 11933

ttacttatcc	ccacccatt	tctgagaaag	taaccttttg	atctgcttat	gtgctttatg	60
acttcttttg	tgggaaaata	tataacctaa	agtttcttgt	tttatgtgta	cagttcagtg	120
gcattaagca	cattcatatt	gtg				143

<210> 11934

<211> 217

<212> DNA

<213> Homo sapiens

<400> 11934

cctttattag	cgacccttaa	aataacaaga	ataattaatc	tgctggttta	gcttaaattt	60
ggtcttatga	caggcatgca	cacgagctgg	cttgctatta	ccctatcctc	ctccatgatt	120
ctgtcttgtg	aatcatgaa	tgggaatttct	atgaaaatat	atagcaaata	ggttctctgac	180
aaaattacta	ttcacataat	tcctcatcct	taagtga			217

<210> 11935

<211> 511

<212> DNA

<213> Homo sapiens

<400> 11935

aaccagactg	cgagcggaga	agcggagttt	gcagcctcgg	aattggctag	agcgccagag	60
ccgagtcagc	cataaagcta	cgcgctaggc	tcttggccct	gacgtgaggc	gcgcagagat	120

ggcgtaacgg	gaatagtttt	caacgtctat	ttcattccct	gcttcagagg	acctctttta	180
tctttgattt	tggtccctgt	ttctaagaaa	agcaactgaa	aaggtecgtaa	taccgcccct	240
gagaaaaaag	gagcagcgct	aaataatcga	gaaaatgcct	cctcttgaaa	cggatataga	300
gatggaaaca	agatataaga	aggattgaga	atcatataat	acaggagctt	aaacacctat	360
gcgcgatgat	aaagagggta	ctattagagc	gcttggaaaa	taccaggaag	ttgagagagt	420
taacagaagg	gcgcacgctg	gattggccac	aaaatcgaat	tactgaaggc	cactactgat	480
taggacactt	atggagaacg	tggttagcac	t			511

<210> 11936
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 11936						
acacttctgt	aaaattaatg	gccagttttt	cctgacaatt	tataggaaca	gtatctttca	60
acatactccc	tacattatcc	ttcaatatct	gcaatacttg	tctttagtaa	ctgtatttct	120
ggtaagatta	tgatttcatg	agaaacaatt	gaaaatatat	ccgatcta	ttaaattagg	180
cagcctgcta	ttgctctcag	gtgttgctg	tcttcacgaa	tgattagtat	cgattgacct	240
ctttcttagg	tggttttaag	tcttcagttc	tcgtcagcat	gaactaactt	ctcatcatgg	300
aggcacatag	taactgcatt	ctcagaagat	ttatgcagtt	aaccaattga	tacaagtntt	360
ctttttcttg	aatttttttt	ttttwaattg	agg			393

<210> 11937
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 11937						
caaaatatat	gtaattcagg	aacatgctca	aattgaattt	cttctcttcc	ctttaaagct	60
gcctctcctg	gtttgttgtt	gttttccctat	tgtgggtcaat	agcagtagca	tttacctttt	120
tagctgttaa	gttattaaac	agggtattct	ttttagttat	cttcccca		168

<210> 11938
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 11938						
cttggcacta	tgtgatgcat	taaataccca	tatttgtgtt	gtgtatctga	catgtatctt	60
cctattaaaa	tatcagcacc	acaagacagg	aactgttcat	ttntttcatg	gaggtattgg	120
tttcatgtgg	tatttctag					139

<210> 11939
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 11939						
agttcagaga	gaggagaggg	agaaggagag	aggggcagag	gggaagggag	agagggagag	60
cacgcgagac	ggaaaggagc	gcctcagagt	ctctgaagca	cgcaagagat	aaccgattag	120
gaatttttctg	ggcaactgtc	acccggatag	stgtcagaga	atcatcatca	ccgcaactct	180
gacgttttct	acaagaagtt	agagacttaa	gcagtattgg	catcggatgg	aaatgggatg	240
catgctgctg	tggaaaatat	ccctgagctg	aagaagtgca	actatgtgtt	gtgtgtgcta	300
aatgcccgaga	agaacccgaga	cccagtgrgt	aagagagacg	aaatgtggag	agaatgacta	360

acgacaaatc cgtgaatttg ttctctggag ttgctaatt

399

<210> 11940

<211> 87

<212> DNA

<213> Homo sapiens

<400> 11940

ggagttmgcg acagggaggg atgcgcgcct ggggtgtagtt gtgggggagg aagtctttta
tctcttacct acctcccatc cttcccc

60

87

<210> 11941

<211> 175

<212> DNA

<213> Homo sapiens

<400> 11941

agccggagtt agcgacaggg agggatgcgc gcctgggtgt agttgtgggg gaggaagtgg
ctagctcagg tctgtgtgga aggaggaagg cagggagagg tagaaggggt ggaggagtca
ggaggaatag gccgcagcag ccttggaat gatcaggaag gcaggcagtg ggtgc

60

120

175

<210> 11942

<211> 433

<212> DNA

<213> Homo sapiens

<400> 11942

agccggagtt agcgacaggg agggatgcgc gcctgggtgt agttgtgggg gaggaagtgg
ctagctcagg gcttcagggg acagacaggg agagatgact gagttagatg agactagggg
gcgggctggg ggtgcgagaa ggaagcttgg caaggagact aggtctaggg ggaccacagt
ggggcaggct gcatggaaaa tatccgcagg tccccagggc agaacagcca cgctccaggc
caggctgtcc ctactgacct gtggaggggg aacttgacct ctgggagggc gccgctcttg
catagctgag cgagcccggg tgcgctgggc tgtgtggaag gaggaaggca gggagaggta
gaaggggtgg aggagtcagg aggaataggc cgcagcagcc ctggaaatga tcaggaaggc
aggcagtggg tgc

60

120

180

240

300

360

420

433

<210> 11943

<211> 442

<212> DNA

<213> Homo sapiens

<400> 11943

agccggagtt agcgacaggg agggatgcgc gcctgggtgt agttgtgggg gaggaagtgg
ctagctcagg gcttcagggg acagacaggg agagatgact gagttagcga cagggagggg
tgcgcgcctg ggtgtagttg tgggggagga agtggctagc tcagggcttc aggggacaga
caggagagaga tgactgagtt agatgagact agggggcggg ctgggggtgc gagaagggaag
cttggaagg agactaggct tagggggacc acagtggggc aggctgcatg gaaaatatcc
gcagggtcccc caggcagaac agccacgaca atcaaaatag gcaatacaaa gggagataca
ggtttagtg gagtaactta ttgtgsnrwt tttgtactgc akgtaaacaa rcaaacatca
atttcttgaa ggaaactggg tc

60

120

180

240

300

360

420

442

<210> 11944

<211> 352

<212> DNA

<213> Homo sapiens

<400> 11944

agccggagtt	agcgacaggg	agggatgcgc	gcctgggtgt	agttgtgggg	gaggaagtgg	60
ctagctcagg	gcttcagggg	acagacaggg	agagatgact	gagttagcga	cagggagggg	120
tgcgcgcctg	ggtgtagtgt	tgggggagga	agtggctagc	tcagggcttc	agaggaacag	180
cagcacctgg	gagaggggat	gagcttggtt	ggctgaggct	ggacggagtg	agtagcagtc	240
tgcctggcag	cagtacagag	ctgatatgtt	gagttgatga	gtttcctgag	gcaggtctgt	300
atttcagctt	gtacctagaa	ggcaaggacc	aggccacctt	tgtatccccg	tg	352

<210> 11945

<211> 272

<212> DNA

<213> Homo sapiens

<400> 11945

gtagccctag	gagaagtcac	caccactttg	tccaccatgg	gtgaattatg	aatcagtagc	60
tatgccaggc	ctcagctggg	ccacatctgg	agaactgggg	tgagggcaca	acatcacaaa	120
atatctggcc	ccagtctggt	cactcatccc	ttttagggca	acaaggaaac	tatcctgtgg	180
cctgagagca	caatacctga	gacaaaggcc	agcagaaaca	tttgtctgcc	ctcacccttt	240
ctgccccagc	ttccacctgc	tccccatctr	cc			272

<210> 11946

<211> 478

<212> DNA

<213> Homo sapiens

<400> 11946

aggcggctct	cgggtggcagt	gagcatgcgc	tccggctcca	ccacgaacat	gtagtagagg	60
ttccacatca	gcatcgacag	cagtggcaga	aacgtcaggc	cgtagccgaa	gcctcggaag	120
gagcggccca	cggcaaagag	acatggctct	gctatgttgc	cagtctgggc	tcaaacttct	180
ggccttgagt	gattctctca	cctcagactc	ctgagtagct	gggattacag	atgcggggcca	240
ccacacctgg	ctgtacaaac	tttaaaatgt	ttgagcaaat	tcaatgagta	tagtaaaata	300
tcttctctcn	nntaccgatt	cccacctat	tctccccac	ccccaccca	ggcatcaata	360
ttatggtttc	ttgtgcactg	rgtgattttt	ttaaattatta	ttattttttt	atttttgaga	420
cagagtctct	ctctgtcamc	caggctggag	tgcagtgggt	cgatctcagc	tcactgca	478

<210> 11947

<211> 442

<212> DNA

<213> Homo sapiens

<400> 11947

cctgggtttt	ttgttttttg	tttggggtat	ttttgggtga	tgtatgttta	tgtatgtgtg	60
tgggtatgtg	tgtatacagt	ggagagcaaa	ttggaaaaca	gttctattta	tcctcctccc	120
tccccagtag	aaawaaaaaa	aatctttaca	tttggttact	ttcttttccc	cccgtaaagc	180
acagaattaa	tggaaagtga	gtatcttgga	tttcaaatct	gaagagattt	ttaccattag	240
tggtttgatt	ttaatgtgct	tgggttaact	tcatattttt	catacacttc	tctggattta	300
aaatatcttg	aggtattttg	ccactggctt	catgctggag	taatgggtaa	catatctttg	360
gtatggttgc	ttagattaac	ttacctagtc	agaccagaa	gaacttcttt	tactagcttg	420
cttcctaaat	gctttttttc	tc				442

<210> 11948

<211> 468

<212> DNA

<213> Homo sapiens

<400> 11948

actttttaaat	tccccacctg	tcagagagaa	gcaggacttc	ctgtactttt	tagagcgact	60
gccggaagtg	actgcggaag	aatcggcgtt	tgccgaggct	ggcatagatt	tggctgtctc	120
cgctcatagc	tgcttttggc	gcgaaagatg	ccgggtctgg	ttgactcaaa	ccctgccccg	180
cctgagtctc	aggagaagaa	gccgctgaag	ccctgctgcg	cttgcccgga	gaccaagaag	240
gcgcgcgatg	cgtgtatcat	cgagaaagga	gaagaacact	gtggacatct	aattgaggcc	300
cacaaggaat	gcatgagagc	cctaggattt	aaaatatgaa	atgggtggtct	gctgtgtgaa	360
taaataattc	ctgaagaatg	aagaagatta	atcttgggag	ttctttgacg	aactttgata	420
tgtggaaaaa	gtatttataa	tttattgtaa	gaagaaagta	aaatatta		468

<210> 11949

<211> 523

<212> DNA

<213> Homo sapiens

<400> 11949

actttttaaat	tccccacctg	tcagagagaa	gcaggacttc	ctgtactttt	tagagcgact	60
gccggaagtg	actgcggaag	aatcggcgtt	tgccgaggct	ggcatagatt	tggctgtctc	120
cgctcatagc	tgcttttggc	gcgaaagatg	ccgggtctgg	ttgactcaaa	ccctgccccg	180
cctgagtctc	aggagaagaa	gccgctgaag	ccctgctgcg	cttgcccgga	gaccaagaag	240
gcgcgcgatg	cgtgtatcat	cgagaaagga	gaagaacact	gtggacatct	aattgaggcc	300
cacaaggaat	gcatgagagc	ccacccccgc	cgcaaccgcc	gcagcagccg	ccacccctgc	360
ttcaaaatgt	agcagcttct	tagttacttt	ggaacactac	tcttacatgt	ataaagtgat	420
tgacttgact	ttctagcttc	ccttgctccg	aggatattaa	aatgcttggg	tgaggtttag	480
ccatcttact	tggtttttta	ctattaacat	gatgtactaa	agt		523

<210> 11950

<211> 343

<212> DNA

<213> Homo sapiens

<400> 11950

tcttaaaaaac	atcagagggga	ttttacattg	cccagtttct	ccaccaacaa	gccttarggt	60
ggaccecaacc	ctttccgcaa	gtggtargaa	cgaatgcac	ttagcaatta	cctgatttcc	120
aaagtccctt	tgtagcaaat	gtcacctcat	tctgtgtctt	tttacctatc	ctaagcttat	180
gatgatgrgt	tatgaatgcc	aaatatattat	ctgaagagtt	tctcctcatt	gtgaatgtgt	240
atgtaaaata	tgaagacaag	aaaggggtgct	ttcatctgag	gaaccaaggg	gtgggagtat	300
cccaaaggan	gacaccagca	tcatctyttc	ttcgtactcc	agg		343

<210> 11951

<211> 431

<212> DNA

<213> Homo sapiens

<400> 11951

gcgcgatgcgc	asacccccgc	ccggaaacag	cgcggggtcc	gctatggcgg	cggcagcgag	60
ggcgactactg	cgacccggag	tgatgagccc	gcccagagacg	atgccgccgt	ggagacagct	120
gaggaagcaa	aggagcctgc	tgaagctgac	atcactgagc	tctgccggga	catgtttctc	180
aaaatggcca	cttacctgac	tggggaaactg	acggccacca	gtgaagacta	taagctcctg	240
gaaaatatga	ataaactcac	cagcttgaag	tatcttgaaa	tgaaagatat	tgctataaac	300
attagtagga	acttaaagga	cttaaaccag	aaatatgctg	gactgcagct	tatctggatc	360

gagtccgggg tcgcgcggga attaagacat acagggtggc ttactctgca 290

<210> 11956

<211> 229

<212> DNA

<213> Homo sapiens

<400> 11956

atgattttat	cagtatacct	gwnrgaatat	gtacaaactg	gatctataga	tattttgaac	60
tggaccaggt	gggtattgaa	gtaacccatc	aaaatatgct	ctgcagtgat	tccgcttaat	120
gtttaaattc	agtaacgtac	ttgaaaggca	aatttcagtg	cttttggtat	gttggaggag	180
ggcttactga	tgcgtgctaa	gaccgatttc	tgattgaggg	atgaaccct		229

<210> 11957

<211> 200

<212> DNA

<213> Homo sapiens

<400> 11957

tttcagaatt	ttattatgcc	atatttcctt	tcattatagt	aaaatatatg	ctcacgaatc	60
aatgctgatt	tttaaaatat	gtataatctg	aagtggaaat	tgtttgctta	gagttwaaac	120
ctagtctttg	aaagtttggt	ctatactttt	cccccaaccc	tccaataaat	cttaaattta	180
aaacctacaa	tgtagtgtct					200

<210> 11958

<211> 181

<212> DNA

<213> Homo sapiens

<400> 11958

gcgctcgttt	tctgtctagc	tccgaccggc	tgaggcgggc	cggcagcnga	gggacggcag	60
tctcgcragg	ctactgcagc	actgggggtg	cagttgttgg	tccgaccag	aacgcttcag	120
ttstgctctg	caaggatata	taataactgc	tgctttatct	ttccacagat	tggtgtgccc	180
g						181

<210> 11959

<211> 531

<212> DNA

<213> Homo sapiens

<400> 11959

gcgagacttt	caggggtcgg	agcgcggggg	ccggccgaga	ggaaagctgg	aggcgcgggt	60
ggggaacatg	tctgagtcgg	agctcggcag	gaagtgggac	cgggtgtctg	cggatgcggg	120
cgtgaagata	ggtactgggt	ttggattagg	aattgttttc	tcacttacct	tctttaaaag	180
aagaatgtgg	ccattagcct	tcggttctgg	catgggatta	ggaatggctt	attccaactg	240
tcagcatgat	ttccaggctc	catatcttct	acatggaaaa	tatgtcaaag	agcaggagca	300
gtgacttcac	ctgagaacat	cccagcggga	ggacaagaga	aatcatgttt	attcctcagg	360
aatactgaag	tgccctggag	taagctgcc	ttcttctgta	acaatgttat	cagtaatgct	420
ttaaactcca	gcacctgggt	atgcatttga	aaccaagtct	gtttcttggt	ttgtattttc	480
tctctggaag	ttgtaaggag	gtggtcttaa	ataaattaaa	caaaaatagg	a	531

<210> 11960

<211> 206

<212> DNA

<213> Homo sapiens

<400> 11960

gcgagacttt	caggggtcgg	agcgcggggg	ccggccgaga	ggaagctgga	ggcgcggggtg	60
gggaacatgt	ctgagtcgga	gctcggcagg	aagtgggacc	ggtgtctggc	ggatgcggtc	120
gtgaagatag	aatcctggta	ttgatgtcca	cccagaaaat	ccctgcagat	gttccagcct	180
ctgtctagtc	cagatagcca	caggaa				206

<210> 11961

<211> 188

<212> DNA

<213> Homo sapiens

<400> 11961

ttgtgttcta	ggatacggat	gtcctctaca	tcgtgtctca	gttctttgta	gaagagtggc	60
ggaaatttgt	taggtagaaa	caaaatatgt	tttatttcct	ttattgttac	tgatttggtt	120
gactctggta	ttttttaaga	tatcgtggat	tctgtttggt	gtacccttcc	ttcatgggta	180
ctttcacc						188

<210> 11962

<211> 203

<212> DNA

<213> Homo sapiens

<400> 11962

tattcgggttc	cgatttagtt	tgtatcagat	ctcctttctg	ttctctacag	aaacaacttg	60
tctctgttag	tggttgaaac	tgtttttctg	atagcgcatt	acgcataatg	tactttttcg	120
gtatctcaaa	atattaactt	agacttatgg	agcagatatt	ttactaattt	ttatgaaatt	180
ttttgcaaac	tagaaattta	cac				203

<210> 11963

<211> 79

<212> DNA

<213> Homo sapiens

<400> 11963

gctaaaaatat	tacacatttg	gtaagtaatc	agtaaaatga	aaagtaaaat	tggttggaat	60
tacatctttt	ttttttttt					79

<210> 11964

<211> 156

<212> DNA

<213> Homo sapiens

<400> 11964

aaatagngag	ccaaagcatt	gtactgattt	atgaggtcat	aattgtgatc	tgtagctaca	60
ttatgaaaat	attattttgc	taggatagtt	ataaaatctc	atacctatgg	taatatat	120
ggataatttg	ttggcatgat	acatgaacaa	tacacc			156

<210> 11965

<211> 325

<212> DNA

<213> Homo sapiens

<400> 11965
 aaaaaatatt caaaatggcg gacggaggag cagcgagtca agatgagagt tcagccgcgg 60
 cggcagcagc agcagactca agaatgaaca atccgtcaga aaccaggtaa accatcwatg 120
 gagagtggag atggcaacac aggtaagagt tttctgatct agctttttta ttaactctag 180
 tagagcacia agaagaaagt ttccatgtam ctaggacttg gttatttggc aaatacagac 240
 caattttgag tattgagttg tcaaatawga ttcagtcctt taggaactgg gagggattaa 300
 tgtttgttta agattactta acttt 325

<210> 11966
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 11966
 gataaacact gtgatttttt tggttaagac tttttcattg atctgaattg cttaaattgc 60
 atatatgtta aaataggatc agatgtatat tttaaactaa tttcaatgga ttttcctcct 120
 gaaatgcttt gtctactcag ttataaaaata ttcagatata agttttatct cagggtgaata 180
 ctcttgattt gtttttgctt tggtagacatg cttataaagg gtcacccctag ttacattcct 240
 tgttttttta gtgtatttca ttgagaatct ttccatttag tctgattttt ttctctaatat 300
 tctagcaggc tggggtggta taaa 324

<210> 11967
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 11967
 ttcactccaa caatttgatt tcttgatttt gctcaacatt acattgaatg catgaaatta 60
 aaatattcca cgcccccaag ttctgtatga caccctgtgt gttttctcag atctatgtca 120
 gtcgaaaata aagsgcagnc aagggggaaa aaaaaggcaa actgaatcaa tggaaaacta 180
 tgtagagcac ttttcttttc tccaagtcac gctttcctta aaatcagttg aaaaattgaa 240
 tcaaggatgg ttcattatct tgtaccatc ctacgtctaa gttggtacat atggcatatg 300
 ggaaatttca ccatatgtgt tcctatctcc aatctattct gtcattgacg cctactatga 360
 ttttggtgtr agcacatacc tcttaacata agaggacagg atgcagaact cacagcagaa 420
 taagaggaa 429

<210> 11968
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 11968
 cagttttacc tcagtgttga atttaattat ataggaacaa aatattcctc agtaaatttg 60
 cttgctaaat attctgtcac atttacttcc cctttgagaa atggyttaat tatagaaatc 120
 tacctgcac taggaatttt ttttcccttt tcttttttga ccg 163

<210> 11969
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 11969
 atttttctcg ccgcgcaggg agtactgact aacgtgggcg gastctagct cgcgtatcct 60
 gaggaggcgg gggtggccta ggcgaagatc cggactctgg gtgttttgct accgtgaccg 120

tttagaacag	aaactgttca	tacttggtgc	gctgtggact	cttgtgataa	ttaaccaaga	180
gtagctctat	ttgtccaacc	tcacacctaa	agaagaaaga	aaatggcttg	tgctgagttt	240
tcttttcatg	taccaagtct	tgaagagctt	gctggagtta	tgacagaagg	gttaaaagat	300
aactttgctg	atgtccaggt	ctctgtagtt	gattgccctg	atttgactaa	ggacccttta	360
cctttcctgt	aaaaggcatc	tgtgggaaaa	ctagaattgc	a		401

<210> 11970
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 11970	
gcaagggtttc	60
aataatttgt	120
aacattttat	153

<210> 11971
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 11971	
ttgtattagt	60
aggatgaact	120
tcaatacact	180
ttctgaggaa	240
ttcttctttc	300
gatagaaatg	335

<210> 11972
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 11972	
gcattggggc	60
tcttctcacc	120
gttaaagaga	180
ttttgtccag	240
aattgtccwm	300
agcagagaga	335

<210> 11973
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 11973	
tcatgagtgt	60
atggatgact	120
acttatcccc	180
aaaaaaaaat	240
atagaatatc	300
gtttgctgaa	360

aaagagctgg	agaactccat	gtactttgga	atctcctcca	agatagccag	agtttaatac	420
atcttcattc	tcaacactct	ccaaagaact	tgacctacct	tatgggttcc	atatttttct	480
tcttaaattg	gcatcaatca	tgctttgccc	ccaaccttta	aatatattct	tagacctggt	540
aaatgcactc	agacttgctg	cttttaggaat	ttttaacttt	ctttcactac	at	592

<210> 11974
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 11974						
cccatggctc	atctcagact	cactgaactt	tttttatatg	aatgcacagt	cgatcatattt	60
tgggcagctc	gtgagtnctt	ggtaactcat	ccccttacta	caaaagcact	aagtgaacaa	120
tacaaaagta	taaaagcaca	aatttgaact	tacatagttt	agtttaagta	tgtntcacta	180
gaaaatcaaa	tatttagatt	tctcacattg	aaaatgctta	ggattgaggt	ttagctgctt	240
cctttaaaaa	aaaaaaaa					258

<210> 11975
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 11975						
agagttgact	tccggcggtc	tgtgggagtg	ctggttctgt	cctccttgcg	ggtgcggaga	60
tggttgctct	ggttacgggt	cctaacgggc	ccctgccttg	aaatcccttg	ttgagggcct	120
gcaaccttgt	gcttccgact	ggagacgcct	ttggctccctc	ggtgtctgca	ctggctgctg	180
gtcaaggctt	cagtgtggag	taattgacac	tttcgagaat	attaaaatca	aattagagaa	240
gaaaactgat	ccataataat	raaaatgtct	cgaraaattt	caaaggagtc	aaaaaaagtg	300
acatctctag	ttctctggga	tctgaagata	ttagtktaga	aacaacagtt	cctacggatg	360
atatttcctc	atcagaag					378

<210> 11976
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 11976						
agcagctaca	gggctgtggg	tgaaggaggg	cctgaggatt	gtgagctcag	tgcttttagg	60
cttgagctgc	ccttggggat	ccccctgga	ggcagagctg	gaccttgggg	agggaccctg	120
tgggcgacgt	ccttctatgg	ccgcttcagg	cacttcttgg	atatcatcga	ccctcgacaa	180
ctctttgtca	ctgaggctca	cagctggagg	aaaatttgcc	tcaggatgaa	tcacaccttt	240
gggtctcatc	cataccta	ttagaggatt	ctggatgaga	ctctgacttc	agacttttga	300
ggtgctgctg	gaatgactga	cttttggg				328

<210> 11977
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 11977						
ctgggtggata	atcttatgtga	tgtggattgc	tggtgtccag	catgacccat	aaacagggtca	60
gaagaatgat	ggaatgtttt	agaataaact	cctgcttata	gtatactaca	cagttcaaaa	120
gatgttttaa	atgcttttgt	atcttactgcc	atgtaattga	aatatataga	ttattgtaac	180
ctttcaacct	gaaaatcaag	cagtatgaga	gttttagttat	ttgtatgtgt	cactagtgtc	240

taatgaagct	tttaaaatct	acaattttctt	ctttaaaaat	atttattaat	gtgaatggaa	300
tataacaatt	cagcttaatt	ccccaacctt	attctgtgtg	tagacattgt	attccacaat	360
tttgaatggc	t					371

<210> 11978
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 11978						
agaggagggg	gaggaagccg	gcgggccagaa	acggcagtg	cagcagcgtc	cggagcagcc	60
gcagccttct	ggaagctcca	ggcgggtcttt	ctgccgagcc	tcgggtcccgg	ccccatcct	120
ccccgcccc	tcgggtgttg	tctgggcgga	tttaaacagt	caagtaaaat	caagctgggt	180
aatcatggca	gaaggtggat	ttgatccctg	tgaatgtgtt	tgctctcatg	aacatgcaat	240
gagaagactg	atcaatctgt	tacggcagtc	ccagtcctac	tgacacagaca	cagagtgtct	300
tcaggaatta	ccgggaccct	ctgggtgataa	tggcatcagt	gttacaatga	tcttggtagc	360
ctggatgggt	attgcattga	tcttgttctt	actgagacct	cctaatactaa	gaggatccag	420
cctacctgga	aagccaacca	gtcctcatnm	rtggacaaga	tcaccagctc	ctcctgtgga	480
ctaactttgt	gatatgggaa	gtgaaaatag	ttaacacctt	gcac		524

<210> 11979
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 11979						
aagccgggtcc	ggagttcttg	ccgacagcag	gcgaggagtg	ggtagcagcg	cctatgtgaa	60
gttagctaata	ctgagaaggc	ccacttcttg	ttccatggat	gatggcggtt	gagcagatgc	120
caaaaaagga	ttggtacagc	atcctgggag	cagacccatc	tgcaaatata	tcagacctaa	180
aacaaaaata	tcaaaaactc	atattaatgt	atcatccaga	taaacaaaagt	acagatgtac	240
cagcaggaac	agtggaggaa	tgtgtacaga	agttcatcga	aattgatcaa	gcatggaaaa	300
ttctaggaaa	tgaagagaca	aaaagaragt	atgactgcag	cggtgtgaag	atgatctaag	360
aa						362

<210> 11980
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 11980						
tttttcctcc	agctagagga	gctcaactga	tctgttttct	ttcgcccagc	caaaatcaca	60
gaatgaaggc	ggtgaagagc	gaacgggagc	gagggagccg	gcgaagacac	cgggacgggg	120
acgtggtgct	gccggcggg					139

<210> 11981
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 11981						
actcagcgta	agacggcgct	attccgctgt	aacagcttcc	ggcgggtcct	ggatgttgat	60
gtcctgcate	taacgcgggtg	taacccccga	agccgagcga	gctccggagg	aatttcagta	120
tctgctacgg	taacttcate	agcccgccaa	gatggcgatg	caagcggcca	agagggcgaa	180
cgtgagtatc	gggtgttctg	cggagggtgg	gagaacttcg	ggtttgactt	tcttagcgg	239

<210> 11982
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 11982
 tagataagtg ctatggagaa aatcagatcc agcacatggt tagggagtgc tggaggtgat 60
 ggtgggaggg ttggtcagga aggtttttaca tgggtggaagt aaggttttgc atggtggcctt 120
 gtaagcatag tcgtaaagga agtgaaagct tgagtcagag gacacccgag ggaggagcat 180
 tccaggtgga gggacn 196

<210> 11983
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 11983
 agcggcaggg ccttcgataa aatcaggaac ttgtgctggc cctgcaatgt caagggaggg 60
 ggctcaccca gggctcctgt agctcagggg gcaggcctga gccctgcacc cgccccacga 120
 ccgtccagcc cctgacgggg caccatcc tgaggggctc tgcattggcc cccaccgrgg 180
 cagggatctg accgactcgg agcccggtg gatgttacag gcgtgcaaaa tggagggtt 240
 tccctcgtc cccctcsat cagaagacct ggtgccctat gacacggatc tataccaacg 300
 ccaaacgcac gagtattacc cctatctcag cagtgatggg gagagccata gcgacc 356

<210> 11984
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 11984
 gactagnccg gagaccagag atctagcgac tgaagcagca tggccaagcc gtgtggggtg 60
 cgctgagcg gggaagccc caaacaggtg gaggtcttca gacagaatct tttccaggag 120
 gtaagtctct ggatttgagc gatttgaccc agaactcttg accaatactt gaggataaca 180
 gcctctcaga atgaccccc caagtcaccc tagacttaac cctacttccc ttaccaagcc 240
 ttcacccaaa gtaacccc 259

<210> 11985
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 11985
 actttcttty cctctccgtt ttggtgggct ggttgaagat gaaatccact gaggagggaa 60
 gtccagcacc ctgtgtgcca gtccagaact ggccatctg tagascccct gaaaatcata 120
 tgggcttkga tttggatatt ctcaacagaa aggggttaaag gctgatggta cctaaagcct 180
 ggtacttgaa ttttgatcaa gataagctgc cttaaagtct cttcattaca caaatgatcc 240
 tagataattg atagatcctg tggttcaact ggatttytag atagaagctg gattcatgtg 300
 atgccagagg agtaaaattt caagagactg aaaccagatc tgagtttcgc tgttccagtc 360
 tggacctctt tgggtgctgta aatcctggat atactgtaga tgagtactgc gtttttcttt 420
 tatggactct cttcagcttc tggagacctc 450

<210> 11986
 <211> 168

<212> DNA
 <213> Homo sapiens

<400> 11986
 aaatatgggg cccctggcgc ttaaagttca gtttgtctct cttgagcttg gagaaaatca 60
 tccgtagtgc ctccccgggg gacacgtaga ggagagaaaa gcgaccaaga taaaagtgga 120
 cagaagaata agcgagactt tttatccatg aaacagtctc ctgccctc 168

<210> 11987
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 11987
 tatatagcaa aaacaataaa tagattaara aagctttgaa accagcctaa atactcaaag 60
 tatttgatgg actgactaga atacatatat taagttacaa atatgcacat tagataaaat 120
 catggaaact tacttggtta tattaaattt atgcaagact taatgcaaga cttaatgtat 180
 gtttacttta ttgatttggt aagtttacct atgaagattg tacaattcca tagtgaca 238

<210> 11988
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 11988
 tatacaaaat catgtagtaa aattcacagg gcttacagat aaaatgaagc aaggggtatg 60
 cacttgaaaa tgtccattga tgataattaa ctttttgttt tgttttgttt tgtttttaag 120
 a 121

<210> 11989
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 11989
 gaaagagccc tagagctttg ctttttctct cctgcagcac ttaaccgaaa ccagttttgc 60
 aatcaattcc tgttcaaagg ccaccctact ctctctatcc gtctttctcc agcccagaca 120
 ctcacagccc cctgccagac caggggacct cggagaggca aggacagagg ttcaggatct 180
 tcctctccct cgggacccaa ggccacaaaag gagagctccg tggagagaag aaaatcattt 240
 gactcctggg gacacagatt tgctgccaca gaggctsatg gacaaccagg cggagagaga 300
 aagtgaggct ggtggttggt tgcaaaggga tgaggatgac gctcctctgt gtgaagacgt 360
 ggagctacaa gacggaga 378

<210> 11990
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 11990
 ctaattaggt acagtgaatg acacaaaatc attttagcaa tgcttcttaa ctttttgggg 60
 tcacaggcgt tttgagactg atgaatccta gggacttatt taccaggaa aatgcgtata 120
 taacatacat atctccctaa agtttacaat attgtagtgg ttcattgggg ccctgggttaa 180
 gagcccatte taaagtacaa tagggcatca tcccttttcc tgcaaagccc aaaagtatat 240
 ttctagggga tgaaaataac ttgagtctat tttaaggaaat tgtttcactc tagaggtaga 300

taggggacct g

311

<210> 11991

<211> 414

<212> DNA

<213> Homo sapiens

<400> 11991

tagtattagt	gacatcaggt	ggatataaaa	gaaaaccctt	ggaaagagaa	ctgccttagc	60
catgatttcg	ttagtagacc	tatttatgat	tcaattgcaa	ttttcagata	ggatgtgaac	120
atggaatttc	attgaaaata	gtttaatttt	ttatataaaa	ggttttgtat	ataatgtgtg	180
tcagtgacta	ttttcaaaat	cattttcatc	aagacacctt	ttttctaaaa	taggcattgc	240
atacacatat	gcacacgtat	gtrcatgtgc	cacacatttt	ttgtataatg	ttgggtttga	300
ttataaaagt	gttgtcaaat	gttttattta	tctgcatata	gcagtgggtg	gcttttttga	360
attgaaattt	ttkcgcatg	atgcattgaa	ataaggaaaa	ttatttatct	ctga	414

<210> 11992

<211> 635

<212> DNA

<213> Homo sapiens

<400> 11992

cttttaata	tacatatcca	agctttatta	gacttactgt	atcaaaatct	tcaggaataa	60
gcctagactt	gttgattatt	taaaaatttt	cctcaagggt	actgggatgc	acaattctag	120
ctgaaagcta	gtacaataga	caattacttc	agtctcattt	ctcaccaccc	acataaccaa	180
ttccctttct	tanktgaaga	tttrrccaaa	aagagtaaag	agtaggwag	agaccattt	240
gctgaaaacr	ccacataatt	tttcccggtg	acacnrcagg	atctagtcaa	ctcaaaatcc	300
aacttgatct	tgttactcat	ttatcttcca	ccttcccctc	cagacactct	agatttgaaa	360
gcagagctga	ggctctaatt	ggccacttct	accagaagaa	grwtmctaag	tcagttaatt	420
acttgatatt	ccccctgctc	aagggtttcc	ccttacatta	cccacctatt	cactgccaat	480
ctggttcctc	agaggcctcc	taaaattcat	ctctaggcag	tttacaaccc	actaactccc	540
tctcccaaac	tgaaaactgt	cattctctaa	aatcaaagag	aactttgtct	caccatacaa	600
aggaaataaa	taaatgaaca	acaacaacaa	cacca			635

<210> 11993

<211> 174

<212> DNA

<213> Homo sapiens

<400> 11993

cctttcttta	ttatacaaat	aggcagtata	cacagtgagc	gcccactaag	cgctgggctg	60
ggggcctcca	acccggaaca	gaagccggcc	acaaccctcg	ctccctgtcg	tcgcggccgt	120
tataggccga	aagcaaaatc	caatcccggt	ccattgtggg	cggattgcca	ggac	174

<210> 11994

<211> 253

<212> DNA

<213> Homo sapiens

<400> 11994

raacattgat	gaattgttgg	agttagagag	tgaagaggag	agaagccgga	aaatccaggg	60
actcctgaag	tcatgtggga	aacctgtcga	ggacttcatc	caggagctgc	tggcaaagct	120
tcaaggcctc	cacaggcagc	ccggcctccg	ccagccaagc	ccctcccacg	acggcagcct	180
cagccccctc	caggaccggg	cccggactgc	tcaccctga	ccctcttgca	ctctccctgc	240

cccccgagcg ccg

253

<210> 11995
<211> 460
<212> DNA
<213> Homo sapiens

<400> 11995
atcttctaaa agacatagta ttttagtttat aattaaatgc attcttgaag tccagtgtga 60
atcttattaa tgctatcatc tcgaccaagc tcaaagccta cttattagaa acaatgaagt 120
tcacaatagg tcataaaggt ctcttccttt tctaaaattg aaagacaaga aatttagtgc 180
caatattgta cagacagaaa ttccatgtat gagtctcaac aaagactacc tttggctaaa 240
tgtctagaag cagagaagta aagtgrrcra aaatccagtg ttgaggagtc atgacagtac 300
tttgatcttt atatactctg aagcatttct tcaaactttt ctacttttgt cattaatacc 360
tgtagtaagt tgacaatgtg gtgaaatttc aaaattatat gtaacttcta ctagttttac 420
tttctcccc aagtcttttt taactcatga tttttacaca 460

<210> 11996
<211> 188
<212> DNA
<213> Homo sapiens

<400> 11996
attaaatact agatttagca aatatattgt attaaagaaa ttttaattaga tgctaattta 60
ttttcccaac atatttgaag gaatgtgtag cacttagcct caaatcagat aggatataaa 120
tgtggagtggt aattttatttg cactctggct ttttaagata gtagtggcca aaatccagtt 180
tcctgacc 188

<210> 11997
<211> 344
<212> DNA
<213> Homo sapiens

<400> 11997
tcgcccagag acttctctct cgtaaagtcg gccttcccaa catggcgag tctattaaca 60
tcacggagct gaatctgccg cagctagaaa tgctcaagaa ccagctggac caggaagtgg 120
agttcttgct cagctccatt gctcagctca aagtgggtaca gaccaagtat gtggaagcca 180
aggactgtct gaacgtgctg aacaagagca acgaggggtat ggggtaggcg ggtgagggtta 240
acctaaagtg gcgaacctgc ttctctcgtc ccacctccta acccagtktt tcttacctga 300
aacgagaaaa tccattacat atcgatatacc gcttcatgaa ccca 344

<210> 11998
<211> 464
<212> DNA
<213> Homo sapiens

<400> 11998
tcgcccagag acttctctct cgtaaagtcg gccttcccaa catggcgag tctattaaca 60
tcacggcagc tgaatctgcc gcagctagaa atgctcaaga accagctgga ccagatgtat 120
gtccctggga agctgcatga tgtggaacac gtgctcatcg atgtgggaac tgggtactat 180
gtagagaaga cagctgagga tgccaaggac ttcttcaaga ggaagataga ttttctaacc 240
aagcagatgg agaaaatcca accagctctt caggagaagc acgccatgaa acaggccgctc 300
atggaaatga tgagtcagaa gattcagcag ctacacagccc tggggggcagc tcaggctact 360
gctaaggcct gagagttttt gcagaaatgg ggcagaggga caccctttgg gcgtggcttc 420

ctggtgatgg gaaggggtctt gtgttttaaat gccataaat gtgc

464

<210> 11999

<211> 324

<212> DNA

<213> Homo sapiens

<400> 11999

cattacatgt	gggcaattgc	aaaatgataa	ggaaaatccc	aaaatgccac	ctagtgacaa	60
ctgctgttat	ttatatttct	tctccctccc	tttctctcgc	ccgccactac	gcctggctaa	120
tttttttgta	tttttggtgg	agacgggggt	tcaccatggt	ggccaggatg	gtcttgatct	180
cctgacctcg	gcctcccaaa	gtgctgggat	tgcaggcatg	agccaccgtg	cccggcctcc	240
catcctgact	tctaacatcc	tatttttagtt	ctgtntgttt	ctgagtntga	tgtagaagga	300
aacacacagc	acattctttc	tggg				324

<210> 12000

<211> 481

<212> DNA

<213> Homo sapiens

<400> 12000

gtcgggtctcg	cacgtctctc	ctgagaacta	ccgagtaggt	cgggcctgcc	tgtgagcaaa	60
cgaggccct	gagagctcca	cctagttcac	aataaaatcc	cacagcagaa	ctcggagtca	120
gsaatggsta	agccccaggt	ggttgtagct	cctgtattaa	tgtctaagct	gtctgtgaat	180
gcccctgaat	tttacccttc	aggttattct	tccagttaca	cagaatccta	tgaggatggg	240
tgtgaggata	tcctactcta	tcagaatatg	ttcaggattt	tttgaatcat	cttacagagc	300
agcctggcag	ttttgaaact	gaaattgaac	agtttgcaga	gaccctgaat	ggttgtgtta	360
caacagatga	tgctttgcaa	gaacttgtgg	aactcatcta	tcaacaggcc	acatctatcc	420
caaattttctc	ttatatggga	gctcgccctgt	gtaattacct	gnsccatcat	ctgacaatta	480
g						481

<210> 12001

<211> 342

<212> DNA

<213> Homo sapiens

<400> 12001

atagtaagag	gtcaatatgt	tttcacactt	gggaaatctc	attcaagaat	ttttgtcaat	60
ggacaagtca	taagaagccc	ttccatttta	gggctcggtg	acgtcaccaa	gaggcgataa	120
atatctgttg	atataattgg	atgtgagatt	cagtgttgag	atagcaaaat	tctgcccctc	180
gttccttggc	agggccctat	gatttatgca	ggagcagagg	cagcacgcaa	tcgagctgtc	240
aagagagcgt	casttattag	gcaaatgctg	cgtgggtttt	gaagagggtc	gacactataa	300
aatcccactc	caggetctgg	agtggagaaa	ctcagagacc	aa		342

<210> 12002

<211> 144

<212> DNA

<213> Homo sapiens

<400> 12002

catgcaggct	tcttgcccag	ctgaccactg	gccccggggt	gcctgcctgg	ctgggtcttca	60
tcacctgagg	ccaccaggct	caagccactg	ctgttgcatt	acacccatcc	ctttgcaaaa	120
tccctatgga	gcctgtcacc	accc				144

<210> 12003
<211> 492
<212> DNA
<213> Homo sapiens

<400> 12003
gcagtcgcgcg cgggttctcg cacgcagaag ggggtgcgagc ggcggcggcg gcggaggctg 60
ccatggacga cgaggaggag acgtaccggc tctggaaaat ccgcaagacc atcatgcagc 120
tgtgccacga ccgtggctat ctggtgaccc aggacgagct tgaccagacc ctggaggagt 180
tcaaagccca atttggggac aagccgagtg agggcgkcc gcggcgcacg gacctcacgc 240
tgctgggtggc ccacaacgat gacccacck accagatgtt tgtgttcttt ccagagacgg 300
gatttcgcct tggtggccag gatggtctcg atctctgac atcgtgatct gccaccttg 360
acctccaaa gtgctgggat tacagaggak cccaaggtgg gcatcaagac catcaaggtg 420
twctgccagc gcatgcagga ggagaacaty acacgggctc tcatcgtggt gcagcagggc 480
atgacacccc cc 492

<210> 12004
<211> 442
<212> DNA
<213> Homo sapiens

<400> 12004
cctttattaa gtaagtccac ttatagtatt tctataatct gattcattgc cgtaatatagag 60
ccatgtagga aatgcactga ttgcatgtta ttgtggcaag aatataccta atgtcattaa 120
aatcctccaa catgatggat ctacttatgg tctgtntgt tgacatgaca aattaacatt 180
cttaatatgt acatctggaa atgagcattt gaaatagata atccataagc cttgtggcaa 240
aattttwtgt gcttttgttt aactttgaaa gggtattatg cactaacctt ttttgggtggc 300
taattagggg ttaaatacag aaacaagatt tcaaataaaa ctgtctttgg cagttagtaa 360
atagcatatt ttgaaagtag agttgtaata ctttttcata agatgttttg gaattttttt 420
cctgaagtaa taatttatcc ca 442

<210> 12005
<211> 353
<212> DNA
<213> Homo sapiens

<400> 12005
atltggagcc tgcgcagtc gatccgagga catgttgacg tcgtccgaga gtcttaaaat 60
cctgctstgg ccggattcca gactcgtggg ggaaaggctg tttccaaggc aggaaaggta 120
aagagacaaa gaaagtgcct tgtacagatg caaacggagg tgtagactgt gcagctgcc 180
aagtgggtgac aagcaatcca gaggaccatg aaaggatctt aatgcaagtc atgaacttga 240
atgtgccgat gaggcctggc attcttgtcc agagacagag taaggaagtg ttggccacac 300
ccttagaaaa cagaaggggac atggaggcag aagaggagaa ccaaataaat gag 353

<210> 12006
<211> 249
<212> DNA
<213> Homo sapiens

<400> 12006
acacggacta cattttctata cctcgtcaac ttcaacaaga atgactggat tgcagttggc 60
ctttgtctat catcaaacac aagttttcaa gttacctttg gctatttgca gcggcagaat 120
ggctcattat ccaaaatcga agaatatgag cctgtgcatt cactggaaga actgcaaaga 180
aagcaatccg agaggaaatt ctattttgac tccagcacgg ggttactgtt tttgtatctc 240

aaagccaaa

249

<210> 12007
<211> 215
<212> DNA
<213> Homo sapiens

<400> 12007
tggaatataa aaataagcat tgggtgttct taccagccac aaagtaaact tcattttcag 60
gcagtgtttc tgggggaggt tatggaggsm agaaaaasm aaaatcgata gtgagtgact 120
gattgcttca ttttatcagg cggggccatt gtgaaagagc tcaggggaaa tgtggaggtt 180
aaatatattt ccagagttgt ccagcagaaa gaaag 215

<210> 12008
<211> 368
<212> DNA
<213> Homo sapiens

<400> 12008
tgaaaatcga gagtctgaaa agaaaggaca gagaacaagt acatttcaaa taaatggaaa 60
agataataaa cccaaaatat atttgaaagg tgaatgcttg aaagaaattt ctgagagtag 120
agtagtaagk ggtaatgttg aaccaaaggt taataatata aataaaataa tccctgagaa 180
tgatattaaa tcattgactg ttaaagaatc tgctataagg ccattcatta atgggtgatgt 240
catcatggaa gatttttaatg aaagaaacag ctccgaaaca aaatcgatt tgctgagttc 300
ttcagatgct gaaggtaact accgagatag ccttgagacc ctgccaatca accaaagagt 360
ctgacagt 368

<210> 12009
<211> 174
<212> DNA
<213> Homo sapiens

<400> 12009
acgacgcgcc gsaaagcaac ggcaagggcc gcagccagca ccgggcggag agggctacca 60
tggggaaaat cgcgctgcaa ctcaaagcca cgctggagaa catcaccaac ctccggcccg 120
tgggcgagga cttccggtgg tacctgaagg acagtgtggg cacttgaagg aggg 174

<210> 12010
<211> 271
<212> DNA
<213> Homo sapiens

<400> 12010
gcagtaccct caggaaggta gcgtcttgat ctgcgtggcg tggttctgtg ccttgggaag 60
agatgaatgg gaagcggcca gckgagccc gcccagccc ggtgggaaaa aagggaaga 120
aggaggtgat ggcggagttt tcggacgctg ttacggaaga aaccttgaaa aagcagaagt 180
cattgtcatg gacatggacc cttttcttca ctgtgtgatc ccaaacttca tccaaagcca 240
agacttctta gaagggttc agaaggaact g 271

<210> 12011
<211> 217
<212> DNA
<213> Homo sapiens

<400> 12011

gcggagaggc	gcacagcgcg	gcacagcgag	gcgccggccc	agactccact	ccccagctgt	60
gaaaggagga	gctctacggt	gactttgaag	acttggaac	aggggacrtg	cacaagggaa	120
aatcgggccc	cgayactcag	aatgaagatr	tagagaaaca	aggaagaaat	tgaccctgac	180
gaagaagaaa	gtgccaagaa	aaagcatttg	gataaga			217

<210> 12012

<211> 439

<212> DNA

<213> Homo sapiens

<400> 12012

taaaggcacm	gcgggcgag	gcgccagag	gccacaggag	myctcaggcc	cagactccac	60
tccccagctg	tgaaaggact	gctggccaga	cccccagct	agcccgcag	gcctccatag	120
agctgccccag	catggctgca	tccagtacca	agagttggtg	ggagacgggt	gaggtacagg	180
ctcagtctgc	ggccaagact	ccgtcctgca	agactctttg	gcagtgcact	gggtactggc	240
tgagttctgg	aaaacaggaa	tgtgagcaga	gtgctgcaga	tctccttgtc	aggagcacct	300
aagaactggc	atgactctac	accctctctc	cttctgcaat	gacctcgtgt	caagatggca	360
gaccgcgaga	gatgaatgtg	cctggatacc	tgagtcacca	gtggaggaaa	ctccattgac	420
atgcatcaca	ctccacata					439

<210> 12013

<211> 350

<212> DNA

<213> Homo sapiens

<400> 12013

ttaaaatcta	ttttcaccat	ttgtcctttt	gaaactcaaa	ttattccaat	atggccagtg	60
agagcccttc	aagcaatatt	ctgtttggga	cagcaaaatc	gtaagagacc	atattgtata	120
atcttcagca	attaaatctg	aacacctaga	tgaaatgaac	tatacctgga	aaacccaaaa	180
gagtcaatgt	taaaacacag	acagtgaat	tcagtaaaag	aactggataa	aaaattgata	240
cattaagtca	gtagccagct	gggttgtggt	ggttcgcgcc	tgtggtccca	gtactttggg	300
aggctgaggt	gggaggactg	cttggggcca	gaagtttcag	accagcctgg		350

<210> 12014

<211> 210

<212> DNA

<213> Homo sapiens

<400> 12014

ttcagttctg	cttgctgtcc	gcaccgctgc	gttaccgcga	accgccgggc	cgaacagcat	60
gacgtccgct	ttggagaact	acatcaaccg	tatcctcaag	ctggccgcct	gggcaagcct	120
gtcctggaag	acagtttttt	aacatgctgg	aaaatcgctc	aacatcgatt	aatttagtac	180
tcatccactt	ttcatttttag	aaataaacag				210

<210> 12015

<211> 166

<212> DNA

<213> Homo sapiens

<400> 12015

atgttgtggg	aggtcctga	ggccgctgag	gtcgttcgtg	tctgtkgaac	ggctgtgggc	60
gtccttgctgc	cttgggtagg	gggttaaaat	cgttcttgag	aggaacgtct	ctgtgcgaag	120
agataatgag	tttagctctg	agaagtgagc	ttstagtggg	caaaac		166

<210> 12016
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 12016
 attcatttgt gcttgcgggc tcagaagcgt cgcactgctt tgttttgtac tctaccgtgt 60
 cctgttgaaa ggggtcaaca agtgccgggg aggggtgcaga ggctgaggct ggcgtcacct 120
 tccgttgcta aggtaacgtg ctctggccat tttatctgat aaaggaagtc cagtggactg 180
 tatgcattat tcatcactgt tctaataaaa caatcaaaat cgtttacttt caccgggaat 240
 atttagcaag atcaaagaca ctctggctgg aacggctctt gttttaccgc tgacagatag 300
 cctttgattt ttattttttg cagtgttcca gtgttttctc tcaaaactct gtgtttggaa 360
 catcaaggat ggattatccc aaaatggatt attttctgga ttagagagtct gctcacagac 420
 tcttggatgt tgagtcagct caaagattct tctacagtca aggagctcaa gctcgccggg 480
 cgaccctgct cctgcctccc acattaatgg cggca 515

<210> 12017
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 12017
 aaaaaaaggg cttctgtcgt gagtggcaca cgtagggcaa ctcgattgct ctgcgtgcgg 60
 aatcgacatc aagagatttc ggaagcataa ttttttggtt tttgggcagc tggatgatcg 120
 tgggtcccggc gccctttctt tactgttata tgtaggcga aatattacgc gtttggagta 180
 agtgggtgctt tttgtaactg aaaagagatt ctgtgtgtgt tttttttt 228

<210> 12018
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 12018
 agaggcaggg agggcggggc cggcaggggg acctgctgct ggaagagcag cggcccgagc 60
 cggggccatg gcgaastgct gagctgcgtc ctaggccccc ggctctacaa aatctaccgg 120
 gagagggact ctgaaagggc cccggccagc gtccctgaga cgccaacggc agtcactgcc 180
 cccattcca gtcctggga tacgtactat cagccccgtg ccctggagaa acatgctgac 240
 agcatcctgg cactggcttc agtnktctgg tccatctctt attactcctc tcccttcgcc 300
 ttcttctasn tggtacagga aaggtnmctt gagtttgtcc aaagtgggtg cgttttctca 360
 ctatgctggg acattgctgc tacttctggc aggt 394

<210> 12019
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 12019
 gaatcangaa acggcagaga gactgagggt tgcagacaca tatatttttg aggctgggtg 60
 acgagaaaat ctagagacat gagggacata aatgggcctg gcagcctcgg ctctttgcgg 120
 ctgctggcag gactgagctg tccgggttct cccacactt ccagcacagc tgtgctctgt 180
 gtctgcctc ggcgctctcg caaatga 207

<210> 12020

<211> 173
 <212> DNA
 <213> Homo sapiens

<400> 12020
 agaaacagcc agaaccatc tacagcaaga agacggaaat ccaaaggcag acagtacggg 60
 ctcccttcgc caaactcttc attttctctg cacttcaggt ggcaagacag ctcccttcttc 120
 agcagcaaca gcagcagcaa gttagtngga ttaaaatctc ccaagaggaa tga 173

<210> 12021
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 12021
 tatatttctg taacattagc tatctcaggg agggtaagag aatattataa gcttttactt 60
 tatatgtatt tgtattgttt tagttattta aaaatttttg aataaagtag aaacaatagt 120
 tcagaagtca gtccatgtct ttctctaact cattcaagat agatgaatta ttagcttgta 180
 cctcaaaatc tcccagcatg g 201

<210> 12022
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 12022
 aggttctaaa gtcccacgca ccccgcgagg ctcataatctt tcccagacgc ggaggttggg 60
 gtcattgggc cccgaagcct cctcctgctg ctctcagggg ccctggccct gaccgatact 120
 tgggcgggtg agtgcggggt ccagagagaa ac 152

<210> 12023
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 12023
 caacttctag aatccatcga tgtggaacac ttcagtttgt ttaacgtagg agactccctg 60
 ctatgtggat atttggtagc aatgactgat gtggaaacta catatgcaga ttttattgct 120
 tcaggaagaa caggtagaag aaatgcaata catgatatcc tggtttcctc tgcaagtggc 180
 aacagcaatg aattagcctt gaaattagca ggtcttgata tcaacaagac agaaggtgaa 240
 gaagatgcac aacgaagttc tacagaacaa agtggggaag cccagggaga agcagcaaaa 300
 tctgaaaagct aacacccac tttgaccctc gaccacacct gaaaatgtct caaatctcca 360
 ggagtatctg gaatgcattt gtttccatga gtgaaaagag gaaaaagaaa atggctgtgc 420
 tgcattgcag gaacctnnng attatcatgt taaaaatgag ggcagaggct gtggctg 477

<210> 12024
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 12024
 tttgagamct aaacaaacag cttattctag caaaatctga actatgtaag tccctccaaa 60
 aggagtgttt ggagactgat aggaagactt aggaaggata ggagatttaa cccagctttt 120
 aatccaaagg aagaaatctc tgcaaagaag gcagccattg gttttgggtt gcttaaggac 180

aaggcaaata tctgaggtcc atgtgagaag aaacgtcagg ccc

223

<210> 12025

<211> 328

<212> DNA

<213> Homo sapiens

<400> 12025

ccttccccgc	ccttgctctt	cccagtttct	ccgtcagcct	gcgggtcccg	gctggcggt	60
gcttccggta	ggagagcgg	gtagagcgag	caggtctcag	ctcctcgta	tgatcacgg	120
tcccttagac	atgtaccgga	acccggggcc	ctcggggccm	agctccggga	cttcagcagc	180
atcatccaga	cgtgcagcgg	caacatccag	cggatcagcc	aagccactgc	tcagataaa	240
aatttgatga	gccagctagg	aactaagcag	gactcaagca	agctacagga	aaatctgcaa	300
cagttacaac	actccacaaa	tcagctcg				328

<210> 12026

<211> 476

<212> DNA

<213> Homo sapiens

<400> 12026

ataaaagggg	cgaggaggcca	ggctcgtgcc	gttttgaga	cgccaccgcc	gaggaaaacc	60
gtgtactatt	agccatgggc	aaccccaccg	tggtcttcga	cattgccgtc	gacggcgagc	120
ccttggggcg	cgtctccttt	gaggtaaggg	gcctggatac	caagaagtga	ctgctcatct	180
aatccataaa	gctatgttaa	cagattggag	ctgtttgcag	acaaggtccc	aaagacagca	240
gaaaattttc	gtgctctgag	cactggagag	aaaggatttg	gttataaggg	ttcctgcttt	300
cacagaatta	ttccagggtt	tatgtgtcag	gggtgtgact	tcacacgcca	taatggcact	360
gggtggcaagt	ccatctatgg	ggagggtcag	cctgcttttg	ttatcaagcc	ttcccagcgg	420
aacctagggg	ngagagacac	agccaggasc	aansccaggt	tccagtagga	aggcca	476

<210> 12027

<211> 566

<212> DNA

<213> Homo sapiens

<400> 12027

ataaaagggg	cgaggaggcca	ggctcgtgcc	gttttgaga	cgccaccgcc	gaggaaaacc	60
gtgtactatt	agccatgggc	aaccccaccg	tggtcttcga	cattgccgtc	gacggcgagc	120
ccttggggcg	cgtctccttt	gaggtaaggg	gcctggatac	caagaagtga	ctgctcatct	180
aatccataaa	gctatgttaa	cagattggag	gtagtagcat	tttcattaca	agtactaaa	240
agaacagctg	tttacccttg	atcgtgcagc	agtgtgtgct	gttccttaga	attttgcctt	300
ctgtttgcag	acaaggtccc	aaagacagca	gaaaattttc	gtgctctgag	cactggagag	360
aaaggatttg	gttataaggg	ttcctgcttt	cacagaatta	ttccagggtt	tatgtgtcag	420
gggtgtgact	tcacacgcca	taatggcact	gggtggcaagt	ccatctatgg	ggagggtcag	480
cctgcttttg	ttatcaagcc	ttcccagcgg	aacctagggg	ngagagacac	agccaggasc	540
aansccaggt	tccagtagga	aggcca				566

<210> 12028

<211> 239

<212> DNA

<213> Homo sapiens

<400> 12028

tgataaaatc	tgggacaatg	tttttcttac	ccaccagtgg	ccaatggaca	gtggaaattg	60
------------	------------	------------	------------	------------	------------	----

aataaacatt	taataaatga	gtgtttcgat	cataagaaat	agggcatgtc	tgctctctccc	120
ttgttggctg	tttgacact	tgggatttgc	agtcttcaat	gaatatgaaa	agagttggcc	180
gtagtgtttg	gagggagaag	agaaaagattt	gacaatggta	ctggcctggc	atggtggct	239

<210> 12029

<211> 205

<212> DNA

<213> Homo sapiens

<400> 12029

ttaaataaat	atgttacgtt	cttttgtgct	gtcttcaaaa	tctgttatat	attttacact	60
tacaccaa	atcaattacc	atggtacatt	tttatctgaa	atgcttganc	tttattttga	120
tttcataaaa	ttcatagtgtg	gagaagtaga	ttcacatata	caagttgttc	caattatata	180
atagttttcc	aaaaactgag	atggg				205

<210> 12030

<211> 215

<212> DNA

<213> Homo sapiens

<400> 12030

atttaagtcc	agagagcaag	gtgattgcag	tttctttgtt	cggtttgctt	attttttact	60
gcttatttct	gtgtgcataa	attcagcgac	atgctaatag	acatatgggc	aatgggtgctt	120
agagaaaatc	tgtttgtaaa	cctgaatctc	tgttttgcct	acacatttgc	attgtattcc	180
tgccctgctc	caactcgttg	tcctagacca	tccag			215

<210> 12031

<211> 372

<212> DNA

<213> Homo sapiens

<400> 12031

cagaaggctg	ttactccaca	gtcactacgg	ttgtgaagcg	gaaccagaca	acttcccatt	60
ttcgagggtc	tacaattggc	aatatgggaa	aatcttacc	cattaccacc	caactcgatt	120
ctttcaatgc	aaagcttgtct	aacccatagc	ctgcaggcca	catgtgaccc	aggatgactt	180
tggatgtggc	ccagtgcata	ttcgtaaact	ttcttaaaat	attataagat	tgttttgcaa	240
tacatcagta	tcgttagcgt	tagtgtatct	tatatgtggc	ccaagacaat	tcttcttctg	300
atgtggccga	gggaagccaa	aagattggat	actcctgcgt	aagggggaaa	tgcatgttta	360
tagtcatata	ta					372

<210> 12032

<211> 495

<212> DNA

<213> Homo sapiens

<400> 12032

tatggaaatg	gagatatttg	tgatataact	gacaaaccaa	gacagggtgac	tgtaaaacta	60
aagtgcata	aatcagattc	acctcatgct	gttactgtat	atatgctaga	gcctcactcc	120
tgtcaatata	ttcttggggg	tgaatctcca	gtgatctgta	aaatcttaga	tacagcagat	180
gaaaatggac	ttctttctct	ccccaaacta	aggatattaa	agtttagggg	aaagaaaaga	240
tcattgaaag	tcattgataat	ttctgtccca	ctgtgtctca	ttatagagtt	ctcagccatt	300
ggacctcttc	taaaggatgg	tataaaatga	ctctcaacca	ctttgtgaat	acatgtgtat	360
ataagaggtt	attgataaac	ttctgaggca	gacatttgtc	tcgctttttt	tcatttttgt	420
tgtgtcttat	aaactgactg	tttttctttg	cttgnatact	gtgatttcca	aaataaatct	480

catccaagca agtta

495

<210> 12033

<211> 303

<212> DNA

<213> Homo sapiens

<400> 12033

taggaaaaaa	gggtatcatg	atgaaattca	aaatcttatt	ttctaaggtc	agtgtgcatt	60
tgtttagttt	tgatgctttt	caaattacat	tattttcctc	ccctatgaac	attgtgggga	120
gggactctaa	ataaaccagt	ttaggcattt	gctagcttta	gggcttttta	ttgggtgcctg	180
cccttttctc	tggtcatttt	aattttctgca	ataatcctgg	actttcctaa	actatgtaat	240
gtatacttgt	cctttttctc	tgctccccc	aacccctgt	tgtttttatg	gtcagctttg	300
cct						303

<210> 12034

<211> 152

<212> DNA

<213> Homo sapiens

<400> 12034

agagattggg	gcagccccgg	aggaagaaaa	aagggtctac	cccagagcccc	ggagcgagag	60
cgaagtgcct	taagcaacat	ccgcgagttc	ctgcgcggct	gcggggcttc	cctgcggctg	120
gagacgtttg	atgcaaatga	tttgtatcag	gg			152

<210> 12035

<211> 204

<212> DNA

<213> Homo sapiens

<400> 12035

gttttcggga	ttcgcgggaa	gaaggcgcac	tcccaggccc	aactctctcc	ccagcacttt	60
cgcgtagaaa	atcttcagga	aaatgaaatg	tagctccccg	tatgcctctc	ccccaaagat	120
gtaaaggact	ctggagcggg	cgcgaggagc	agttcctggt	tcattacgag	cgccccctct	180
ccagcccggg	cattgtagtg	cgaa				204

<210> 12036

<211> 284

<212> DNA

<213> Homo sapiens

<400> 12036

agaggcgcag	agcggagagg	cctgcggcga	ggatggaggg	cctggcagtg	cggttgctgc	60
gcggcasarg	ctgctaagaa	gaaatttcct	gacttggttg	tcttcttgga	agattcctcc	120
tcatgtctca	aaatcttccm	agtcagaagc	tctactcart	ataacaaata	atggaataca	180
ctttgctccc	ctgcaaacat	ttacagatga	ggaaatgatg	ataaagagtt	casntaaaaa	240
atttgctcag	gaacaaattg	cacctttggg	ttcaaccatg	gatg		284

<210> 12037

<211> 275

<212> DNA

<213> Homo sapiens

<400> 12037

ttgtttttta	gaaaaatgaa	taatttcctt	ttatattatt	ctgttacatt	ttttcccccac	60
ttaatagaac	gtccagaaaa	tctttgcac	tcagaatgcc	tgaagctgcc	ttgttcttgt	120
tttttttatt	cattttttta	ttatacttta	agttctgggg	tacatgtgca	gaacgtgcag	180
gtttgttaca	taggtatact	cgtgccatgg	aggtttgctg	cacccatcaa	ccatcatcta	240
cattaggtat	ttctccta	gctctccttc	cccta			275

<210> 12038

<211> 318

<212> DNA

<213> Homo sapiens

<400> 12038

aagtcccgagc	agtctggtgt	tcagtgtgga	cgttggcctg	ttggctcaca	caggcagagg	60
gggttaaaag	atcaagtggc	atnrgcagcc	ttttggggaa	aattggtgcc	aagaagcaga	120
aaatgagcac	ccttgagaag	tccaaactgg	actgggagag	cttcaaggag	gaagagggga	180
ttggtgaaga	actggccatc	cataatcgag	ggaaagaggg	gtacattgaa	cggaaagcct	240
tcctcgaccg	agtggatcac	aggcagtttg	aaattgagcg	agatctcagg	ctgagcaaaa	300
tgaaaccttg	atgttacg					318

<210> 12039

<211> 359

<212> DNA

<213> Homo sapiens

<400> 12039

atgccccgcc	ccctcnccag	ccccagacac	ggacccccga	ggagatgggt	gcccccatcc	60
gcacactgtc	ctttggccac	cggacatcat	gcctcccaag	aaggatgttc	ccgtgaagaa	120
accagcaggg	ccctccatct	ccaaacctgc	tgcynaagcc	agcagcagca	ggggctcctc	180
cagccaagac	caaagctgag	ccagctgtcc	cnmaggcccc	tcagaaaacc	caggagcctc	240
cagtcgatct	ctccaaagtg	gtgatcgagt	ttaacaagga	ccagctggag	gagttcaagg	300
asgccttmra	gctgtttgam	cgagtggggg	atggcaagat	cctgtacagc	cagtgtggg	359

<210> 12040

<211> 207

<212> DNA

<213> Homo sapiens

<400> 12040

gcattctcagt	tactcagagg	gtaaaatgga	accaaataat	cacctctaca	ccctaactga	60
gaggaggaat	cagctagaat	actgaggcag	ttcaaattta	gattcctttac	tcgtctattt	120
gttttagcttc	tattctataa	attctggata	gaaatttgaa	aatgaaaggt	cacatcattt	180
tggctacttc	tttgtcaaga	gcacccc				207

<210> 12041

<211> 431

<212> DNA

<213> Homo sapiens

<400> 12041

gaggcgacgg	gagccgagct	ctctaggacc	cgaggaggaa	gagctgcagg	gagacagtgc	60
ctccagcggg	tgctgcccg	agcggccagc	cgaggggctg	gaaatgaaag	taaagcgctc	120
cagagccaca	tggacggagc	tgccggggcg	gcggcgccgg	gagcaggatg	cggccgcccc	180
taattaaata	gcatttactc	ttattattac	taataataat	aacgtaatca	tacctctagt	240
catagcatat	catttatcgg	gctcggcgca	ggccccgggg	gagcgcaccc	ggcggagaga	300

ctgatggaga	ggcagaaacg	gaaggcggac	atcgagaaag	ggctgcagtt	cattcagtcg	360
acactacccc	taaagcaaga	agaatatgag	gccttkstgc	tcaagctggt	gcagaatctg	420
tttgcctgagg	g					431

<210> 12042
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 12042						
cagaaaatga	acttcttaac	atctacacta	gcggcagctt	cctagaaatc	actgcactac	60
ccgctagtaa	cggagtcatt	gccattcaga	gtgtgcattt	ttttttctct	ttccagtttt	120
gctggccccc	ctaattatcc	atcttctgat	gaatattaac	atggagggca	ttgcatgagg	180
tctgccagaa	ggccctgcgt	gtggatgggtg	acacagagga	tggctctatg	ctggtgactg	240
gacacatcgc	ctctgggttaa	atctctcctg	cttgggygayt	tcagyaagct	acagcaaagc	300
ccattggcca	gaaaggaaag	acaataattt	tggttttttca	ttttgaaaaa	attaaatgct	360
ctctcctaaa	gattcttcac	ctactttgrt	ctccataact	tctatgtttt	ctttccttct	420
gac						423

<210> 12043
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 12043						
ggacgacaaa	gatggcggca	gggaccagca	gttactggga	agatctcagg	aaacaggctc	60
gacagctgga	aaatgaactt	gacctgaaac	tagtttcctt	cagcaaacta	tgtacaagtt	120
acagtcatag	cagtacccca	gatgga				146

<210> 12044
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 12044						
ttactgctta	gttgccctgca	aaccacctgt	atgagaataa	cctagaattt	aaaaaataaa	60
ataaaaaacat	ttttccagac	ctggaatttg	cattttttta	caagctttaa	gagatttttc	120
ttaggagcac	cacatttggtg	agaagcactg	cccaaaatga	acttggagga	gggattgttc	180
ataccacaa	actatctact	tttcctgcat	ctttttttcc	cctctttggt	catcttggat	240
ctaagcttaa	tatttaatta	ggaatcttat	catttctaga	ttaagttctt	gaatcttaaa	300
ttc						303

<210> 12045
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 12045						
gtactaagac	taggggttggg	ccgagagtcg	gnnccattac	tgcaggaaaa	ggtmcmggag	60
agctgagcag	tcaagatgtg	tgacttcacc	gaagaccaga	ccgcagagtt	caaggaggcc	120
ttccagctgt	ttgaccgaac	aggtgatggc	aagatcctgt	acagccagtg	tggggatgtg	180
atgagggccc	tgggccagaa	ccctaccaac	gccagtngcc	gggtgtggtg	gtgcatgcct	240
gtagtcccag	ctgtttggga	ggccaagggtg	ggcggatcac	gaggtcagga	gatcgagacc	300
atcctgttta	gcgcggtgag	gccccgtttc	tgctaaaaat	acaaaaaatt	ggccgggtgt	360

ggtggcaggc gtngtggcgg gtg

383

<210> 12046
<211> 409
<212> DNA
<213> Homo sapiens

<400> 12046
gtactaagac taggggttggg ccgagagtcg gnnccattac tgcaggaaaa ggtcccggag 60
agctgagcag tcaagatgtg tgacttcacc gaagaccaga ccgagagtt caaggaggcc 120
ttccagctgt ttgaccgaac aggtgatggc aagatcctgt acagccagtg tggggatgtg 180
atgagggccc tgggccagaa ccctaccaac gccgggtctc cctctccctc tctttccacg 240
gtctccctct gatgccaagc cgaagctgga ctgtactgct gccatctcgg ctcaatgcaa 300
cctccctgcc tgattctcct gcctcagcct gccgagtgcc tgcgatcgca gggcgcgcg 360
ccacgcctga ctgggtttta tttttttta gtggagatgg ggttttgcc 409

<210> 12047
<211> 125
<212> DNA
<213> Homo sapiens

<400> 12047
gtactaagac taggggttggg ccgagagtcg gnnccattac tgcaggaaaa ggtcccggag 60
agctgagcag tcaagatgtg tgacttcacc gaagaccaga ccgagcacc cccatgagat 120
tacc 125

<210> 12048
<211> 235
<212> DNA
<213> Homo sapiens

<400> 12048
catagcaatt ttgatgtgaa gaagggaagg acatcattga ctttaataata gtatcagtcg 60
gtgcaacagt tggcaacatg tgccttcaca ctttaccata aagagacggg tttgagggtt 120
tgccttctaa agtctgcaac ttcaagaaaa aaaatcgaca ctgtggattg actttcccg 180
tcactatata aagcaaataa acttaaaaca ctttgtaacc atgtatttac tctgc 235

<210> 12049
<211> 415
<212> DNA
<213> Homo sapiens

<400> 12049
tgcagaaacg ttagagaagc tgctatgagg tctcgtaaac agggctctga caatgttcac 60
aaacagaggg tggcagaagt gctcaatgac cctgagaaca tggagaagcg caggagccgt 120
gagagcctca acgtggacgt ggtcaagtac gagagtggcc ctgacggagg ggaggaagtg 180
agtatgagcg tagagtggaa cgggatgagg aaaatgaagc tcgggctggg taactgactt 240
gctcagcgct ccatggccta gccgcccgtg actctcacac tgtctcctgc atgacgggtg 300
gcgcctcccg nngcttccct tctctctcca gtgctgccgc tgtgtctagc agcctctagg 360
atcttgtcag agctgcactc tctgtgaact ggcattcctt tcggtgctgc tgtcc 415

<210> 12050
<211> 290
<212> DNA

004220" 665T560

<213> Homo sapiens

<400> 12050

aaatagttta	aaatgaagga	aagagaggtg	cctcctacaa	taacagagat	gggctgcaaa	60
cattggatga	cctgtggcag	agcacggaaa	gaaggcaagg	atgacagcta	catgcagaca	120
aggtctccag	atttgccacc	catgctgagt	gccgtgggtg	gatcatggct	tatttcaacc	180
tcaacctccc	ccactcaagc	gatcctcctg	cctcagcctc	tggagtagct	gggactacag	240
gcacgcacca	ccacaccag	ccataatttg	cctcttgctg	taactaaaag		290

<210> 12051

<211> 302

<212> DNA

<213> Homo sapiens

<400> 12051

tcttccagcc	tgcgcggaac	gtcgttctcc	cggtagtact	ccatcgcttg	ctgcttcagc	60
ttctgmagct	ccctagtggg	cccacagctg	cgccgcgcgc	cttcttcttc	catgatgaaa	120
acatctgaga	ctcagggcta	agcaccttgc	ccaaggccac	acaacaagta	ggtgatggag	180
wgtgttggcg	tgtacggatt	ctgtgggtgt	aaagcaaaga	acaaaatgaa	gtgtgattca	240
aggtgggaaa	tagccgcttc	aggaccagct	tggacttggt	acctgtgcag	tcacacaagg	300
cc						302

<210> 12052

<211> 330

<212> DNA

<213> Homo sapiens

<400> 12052

aaagaggcaa	gttcctggtg	caaaggtggc	tctgcagcat	aatttaggca	ttggaggagc	60
tgtggttgta	acactctaca	agatggggtt	tccggaagcc	gccagttctt	ttagaactca	120
tcaaattgaa	gctgttccaa	ccagctctgc	aagtgatgga	tttaaggcaa	atcttgtttt	180
taaggagatt	gagaagaaac	ttgaagagat	aagaaggctg	actgcacaat	cacaatggct	240
gactcagact	tcttggcttt	aatgactggg	aaaatgaatc	ctcagtcggc	cttctttcaa	300
ggcaaattga	aaatcactgg	caacatgggt				330

<210> 12053

<211> 199

<212> DNA

<213> Homo sapiens

<400> 12053

aaagaggcaa	gttcctggtg	caaaggtggc	tctgcagcat	aatttaggca	ttggaggagc	60
tgtggttgta	acactctaca	agatggggtt	tccggaagcc	gccagttctt	ttagaactca	120
tcaaattgaa	gctgttccaa	ccagctctgc	aagtgatgga	tttaaggcaa	atcatatagt	180
aaactccagc	accaccgac					199

<210> 12054

<211> 256

<212> DNA

<213> Homo sapiens

<400> 12054

agtgagtgtg	gagggcgga	cgcsggcgga	netggaactg	ctgcagctgc	tgccgcccgc	60
ggaggaaacct	tgatccccgt	gctccggaca	ccccgggctt	cgccatggca	gaccagctcg	120

tctctactaa	aaatacaaaa	cttagctggg	catggtggca	tgcgcctgta	gtcccagcta	180
cttggaagc	tgaggcagga	gaatcgcttg	aaccaggag	ttgaggctgc	agtgagtagt	240
tgtgattaaa	aaaaaa					256

<210> 12055
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 12055						
gccggaaatg	acgaacgagt	caaccggatc	ggtgactgtg	gagggcgagc	tgagccctgg	60
ccgccgccac	aatggggcgc	gagtttgga	atctgacgcg	gatgcggcat	gtgatcagct	120
acagcttgtc	accgttcgag	cagcgcgcct	atccgcacgt	cttcactaaa	ggaatcccca	180
atgtttctgcg	ccgcattcgg	gagtccttct	ttcgcgtggg	gccgcagttt	gtagtgtttt	240
atcttatcta	cacatggggg	actgaagagt	tcgagagatc	caagaggaag	aatccagctg	300
cctatgaaaa	tgacaaatga	gcaacgcac	cggatgacgg	ttccctgtct	ctgaaagacc	360
tttctctgga	agwnnagtct	gcattgtagt	gtctgaaaga	cacaataaac	ttcctatgg	419

<210> 12056
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 12056						
ctgtggaggg	cgagctgagc	cctgtgcgtg	agtggggctc	ggytgtgcag	tgtsgtgga	60
ccctgggagg	ctaggggcgc	cccgcctggc	tgggaaagga	taaggagtgc	aggggcagga	120
gtctgggggt	ggggrrtkgam	ccccgcggg	aaytgccggc	gcttcgcgaa	agcgagccaa	180
gcgcctgtcc	accctcgggc	ctgcagggcc	gccgccacaa	tgggccgcga	gtttgggaat	240
ctgacgcgga	tgccgcatgt	gatcagctac	agcttgctac	cgttcgagca	gcgcgcctat	300
ccgcacgtct	tactaaagg	aatccccaat	gttctgcgcc	gcattcnann	ggcttttctt	360
tcgcgtgggtg	ccgcagtttg	tagtgtttta	tcttatctac	acatggggga	ctgaagagtt	420
cgagagatcc	aagargraga	atcna				445

<210> 12057
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 12057						
acaaaatgac	acctttcaca	cactctgact	ttccacatgt	tcagggtcag	tttctggact	60
tcctaatacct	gccctgatct	ccattctatt	tctgcatcc			99

<210> 12058
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 12058						
taaaatgaca	gggtagcata	atgaacctaa	atgttccac	ccagcttcag	cagtcacat	60
ctcatggcca	atcttatttc	atctatacat	ctactcattt	ctactaaatt	atctttgatg	120
caaattttcaa	gcacatata	atcttatcta	taaatatttc	agtatgtaca	tgc	173

<210> 12059
 <211> 339

<212> DNA
<213> Homo sapiens

<400> 12059
agactgtgcg gtcacttccg gcccgggagc gcgcggggtg attcgtcctt cctcagccgc 60
gggtgatcgt agctcggaaa tggcgggatt tggtgctatg gagaaatttt tggtagaata 120
taagagtgcg gtggagaaga aactggcaga gtacaaatgt aacaccaaca ccgggttgta 180
gttttgtttc gttttgtttt taagagatga gtcttgaagg cagagtttag taattaagtt 240
agaattaaga gttttgagag gttaaaaaaa tgtgcytcgt ggatctccct gttttagtaa 300
catggagaga aaaagtctac acgaaaaagt gaacaattt 339

<210> 12060
<211> 664
<212> DNA
<213> Homo sapiens

<400> 12060
tagagacca rrtatctttc acagaatttt gtccataaa tgtttttctt aattattaag 60
aagtgttacc ttattaaaat gaccaccatt ctaaaccatt tttcagtggc ctggatacga 120
rkttacagtt tcataccaac tatctaaaac ctaattgcaa attgaccaca gacctctaac 180
ctctactttt tatagacttg aatacttaag taatttaaat taggggtggc atttcatttt 240
tttcttatct aaatcttagt ttcctggaat aataaagttt gatgttcagc aagagaactg 300
cttgagttaa agccattttc aaaagaaact tgccttttac attattgtgt tccagaacat 360
taagtgactg taggtactgg gtattagtga tggtaaaact tgtgttgctc tttatgaaat 420
gatccatata actgtttggg gcacacagtc ttttcaaagg ggctgcttac tatagggtta 480
actatgtata ttcattgtta agagttaact tgtggttttg ctgtttcctg gattttataa 540
catacatgtg cagaaatgta ttcaaataaa aggaagcata cttttatcaa gatgctatta 600
aaattgaaca tcaagtataa tttttcattt ggattctctt ttttggttaa tgcctaaaaa 660
tgcc 664

<210> 12061
<211> 81
<212> DNA
<213> Homo sapiens

<400> 12061
catgtgaggg ggcagcagga cccccagga tctagcgtgg gggaggagag gagcctaattg 60
agaaaatgac catccaaagc c 81

<210> 12062
<211> 393
<212> DNA
<213> Homo sapiens

<400> 12062
agagggaaag cgagagggag acggacgttg agagaacgag gaggaaggag agaaaatggc 60
gtccacggat tacagtacct atagccaagc tgcagcgcas agggctacag tgcttacacc 120
gcccagccca ctcaaggata tgcacagacc acccaggcat atgggcaaca aagctatgga 180
acctatggac agcccactga tgtcagctat acccaggctc agaccactgc aacctatggg 240
cagaccgcct atgcaacttc ttatggacag cctcccactg tagaaggagc cagtacaggt 300
tatactactc caactgcccc ccanncatag agccagcctg tccaggggta wggcactggc 360
gcttaatgat accaccactg ctacagtcnn nac 393

<210> 12063

<211> 356
 <212> DNA
 <213> Homo sapiens

<400> 12063
 aaaagagttg gcagatcacg gatggagggc agcatctccc aacagcctgg gcggccgctg 60
 agaccagag aacccaagga ctcccctggg ctcatccagc agsctctgct tcccaggaga 120
 gaggtgctga agtccacgaa gaggggtctcg ctctgtcaca caggctggag tgcagtgggtg 180
 tgatcttggc tcatcgtaac ctccacctcc cgggttcaag tgattctcat gcctcagcct 240
 cccgagtagc tgggattaca ggtggtgact tccaagagtg actccgtcgg aggaaaatga 300
 ctcccagtc gctgctgcag acgacactgt tctgtctgag tctgctcttc ctggtc 356

<210> 12064
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 12064
 tgttaaaaca atggttttgt gaccttaaag tctgtgttag tcccttagca ccaccgctga 60
 gattttgctg aaagggacgt tttgtgtgtt gggcttcact gaaggaagcc cctgaaagtg 120
 ttcagaaata gggaaaatga gaaactgttc cagctgaaaa tacgggcaag 170

<210> 12065
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 12065
 atgaacaacg tcaskagttt tctcctaaat cttatgagcc ccgcctccca cagtagtttc 60
 acttctcagt ttaatccggt ctgagttaac ttctgacct aggaagtggc agcaacagaa 120
 gggggactag cagcgaatat actttacacc aaatctcaga agattcagaa cttagatgag 180
 tggggcccag gacaggaacc ctggagcctt ggaaggaggg gagccccatc tccccagaag 240
 agcagtgacc ccagcagaga ggggcctggt gtatcactgg aggaaatagc ctgccankga 300
 atacacgtct tcagaagaaa ttctgtgtgg cttcaagaga ctgatcaaat tgtgagaggn 360
 aaacagccta cccggtcctc ttttcttcaa taaaaatga gataataggg gt 412

<210> 12066
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 12066
 ctacacacac acacacacac acacacacac acgtgcaaaa aatatgatca agaatgcaat 60
 tgggatttgt gagcaatgag tagacctctt attgtwtata tttgtaccct cattgtcaat 120
 ttttttttag ggaatttggg actctgccta tataaggtgt tttaaatgtc ttgagaacaa 180
 gcactggctg atacctcttg gagatatgat ctgaaatgta atggaattta ttaaattggtg 240
 tttagtaaag taggggttaa ggacttgta aagamcccca ctatctctga gacctatag 300
 ccaaanyatg aggacttgga gagctactaa aatgattcag gtttacaaaa tgagccctgt 360
 gagg 364

<210> 12067
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 12067

gaattccatg	cgggacagct	tcccaagaac	cacagactcc	aacctcctaa	agcaaagatc	60
tctctctctt	ctgaagcccc	atgaagctta	agagaacgct	gctcaagggg	ggacttaatg	120
agacaggaag	aaggtgaact	tttatattat	ttcttcagaa	gaactcactg	caggcatcag	180
caatgcttga	accctgggag	aatgtgtgtt	tttgctctgg	ggaaagcctg	tgagagaggg	240
gacagcccc	gcagtgactt	ctcaaattgc	ttctgttagg	aaaaaagggtc	ttcctcctta	300
tgatatctaa	gacaacaaaa	agtgtgattt	tgaatacctg	cttagggagt	ctgccaatga	360
aaataaccaa	nygcagaact	agtggtttaa	acttaagggc	acttttatta	ttttagaaaa	420
tgcttacttc	cagttacaat	gtaatccag				449

<210> 12068

<211> 191

<212> DNA

<213> Homo sapiens

<400> 12068

tcgaagtgga	gaaaatgagg	atatattctt	gcagacgagc	tatagggtcat	acatgaatgt	60
ctagtgagac	attcaaaatt	cgtatagggt	gcagagtaat	ttcttattgt	gaggaactgt	120
ccaatgtatt	gcaagatggt	ctgcatactt	ggctctcaca	tactaaatgc	tagtagcgcc	180
cccccccca	c					191

<210> 12069

<211> 169

<212> DNA

<213> Homo sapiens

<400> 12069

aaaatgaggc	ggaaggtggt	tggctgaggg	ttggcaggat	aacccggaga	gcggggccct	60
ttgtcctcca	gtggctggta	ggcagtggct	gggaggcagc	ggccaatta	gtgtcgtgcg	120
gcccgtggcg	aggcgaggtc	cggggagcga	gcgagcaagc	aaggcggga		169

<210> 12070

<211> 151

<212> DNA

<213> Homo sapiens

<400> 12070

taaagagaaa	caaaataata	aaggcattga	tagagatgag	aaggccacaa	tagctctaaa	60
ggtagattta	gacagagtag	ggaacagggt	gtgtcttaaa	atgaggctga	ggagttataa	120
ttttacttgg	agttaatggg	gatgccactg	g			151

<210> 12071

<211> 150

<212> DNA

<213> Homo sapiens

<400> 12071

caaatgtgcc	ttgatattta	aataatatac	tgaatgcaga	atztatgtta	tgtgaaccat	60
tatggaaaa	gttaattgta	acaaaatgag	gtgtattgac	ttttcaacaa	tgtaaattaa	120
agatggtaca	tctactgttt	aagggcagag				150

<210> 12072

<211> 360

<212> DNA
<213> Homo sapiens

<400> 12072
agamaagtgc ccctgcctcg gcgcttttcgg ttttggtctg gatcatccgc ggcggccggg 60
ctcgtggggc gcctggagtg agggttcttg ttcccgcggc cgaggattgt taaaatgagt 120
cttcggaagc aaacccttag tgacttctta aagcaaatca tcggacgacc agttgtggta 180
aaattaaatt ctggagtggg ttatcgaggg gtcttggtt gcctggaggg ctacatgaat 240
atagccctgg agcagacaga agaatatgta aatggacaac tgaagaataa gtatggggat 300
gcatttatcc gaggaacaa tgtgtttgtac atcagtacac agaagagacg gatgtgaaga 360

<210> 12073
<211> 222
<212> DNA
<213> Homo sapiens

<400> 12073
ctcagtgagg ctgatgccgt gcagcaagca gtaggtaatg agtctttgtg cagagtgaag 60
ctcttgttgc tgaacaataa agcatatggg acaagcaata aaacacaggg ctgraaattt 120
aagaagattc ctctgaacca ggaagaactg tgtcttcggg gatgctgaca catatgataa 180
aatgatcatt tattttggat cctaataaat aaagagtgc ag 222

<210> 12074
<211> 287
<212> DNA
<213> Homo sapiens

<400> 12074
aaattcgaac ggctttggcg ggccgaggaa ggacctggtg ttttgatgac cgctgtcctg 60
tctagcagat acttgcacgg ttacagaaa ttccgtccct gggtcgtgtc aggaaactgg 120
aaaaaagggtg actgaatgac atcggattaa ctttgtttct gcagagctgt tctggaggaa 180
gaaagtgatg gcgccaatga cttaaattta gaggtcctga ggcgatgttt tgggtgtttgt 240
ttgctgtttg gagaaacctc gagggcaaaa ctgtgcgagg cgctggt 287

<210> 12075
<211> 434
<212> DNA
<213> Homo sapiens

<400> 12075
ctggagctgg aatcccattg atctttctagc taccattcat tttcttcact gttcacaaaa 60
gaagagtgtg aaattcagkg aaygctgtta ctaatcctgt tacgagatga atctcatttc 120
accaaaatta aattatgttt ttccgctaaa atgatgatac aagttgaaga cacatcactc 180
tgaaattgga agacctcacc acttaaggct ccacagtggc ttactcagct gaactctagg 240
ttactactct ttactttgtt caccatttgg ggggtgcagt ttttttaaaa tgttgggaga 300
tggccattct aactactgtt gaatgtctct gttttgggaa ggtataacaa gaaataaaaa 360
agaatatata tgaagggaga gactgggttat ctctcccat atgggtgtgc ttatcctctt 420
acggcttaca aatg 434

<210> 12076
<211> 396
<212> DNA
<213> Homo sapiens

<400> 12076
 tttttaaggt atgttgagta agaattctata gagcaatgaa aatgcaagag caatagctat 60
 gggcaccaaa tggtaaatct tcttatcata atgttgagtg gaagaagcca ggtccaccag 120
 acacatgctg ctcatttatg caaagtttgg acacaggcaa aacaaaacta gtttgatcgt 180
 gatgggaaaac attagagaaa tgcaaagaca tgaccatcat aattgtcagg agaaggcatt 240
 ggtaggatt gggaagcggc aagcagaagc atttagggat tggctggcaa tgttttactt 300
 ctcagctgag tgagggttgc atcgggtgtt atttgataac acgttckagg ggctgggcaa 360
 gatggctcat gtttgkgtc tcagtacttt gggagg 396

<210> 12077
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 12077
 ggagtgcccg gcggcgggtc ctcagcttcg agccgaggtg cagtgcagctg gtgggggggac 60
 gcgcaggcga gcgcgggagc ctgggcggcg agccgggtgt gagctgcctg aaaatgcact 120
 cggatgccgc cgctgtcaat ttccagctga actctcatct ctcaacactg gcaaatatc 180
 ataagatcta ccacaccctt aataagctga accaggggga tc 222

<210> 12078
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 12078
 agtcgtccga tgagcccgag cagctgagtc ctttcctgt ctttcactct tctggcatcg 60
 gtggttttac ttcttcgatt gaacctgtct tcttcgacct cctggggagg ccgccttctt 120
 caggcgctc ctttctctcc acgagctcgc cctgacagct gaggaactgg caagatcctg 180
 ctacccagag ggtgaatggg tatctttccc ggaataatcc taatttttct aagggtgaag 240
 tttgcaacgg cggccgtgat tgtaagcgga gtaagcaaac acctccattg tattagtgt 300
 agggatactg ttgaaagatg ctccccttcg gtttctacct cctgtcactc ctgagggtcaa 360
 ggcattgaag gcacttatta aaatgcagtt cagttacttg attggcatga cagctgttat 420
 caacatgaa 429

<210> 12079
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 12079
 aaaatcatta aactttctgct tttccctatc ttgaagtaaa atgcatatgt atagttaatt 60
 tatcgaaaaac acagg 75

<210> 12080
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 12080
 attatctatt cagtgatatt aaatacataa ctctaaacat catccccgaa caaattacct 60
 tttatcaatt gaaacaaacc aattaaaaat ttcaaaatgc aacctgttaa tcaacggctt 120
 actacacgat aattatgacc aaaatgccaa ttaatgtgtt aatatatgac c 171

<210> 12081
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 12081
 tacagaaaaa aaaaaatagg atcttgactg tgggtggtctc caagtatggc caatacagta 60
 cacttttcca agaaagtgat tcttgaaaat gccacttaaa ggtcagtgtt ggagcactaa 120
 ttaaagtcca tgatgtccct tttgcctgtg atggctgtct gatctgagaa cagggcggtg 180
 ggtgatttgg tgttctcaca gtaagccttt attgacctct ctccctcacc cc 232

<210> 12082
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 12082
 acgctccagg ccgcgagscn accgagcgga cgccagtgga tgacccgcgg cgggggagga 60
 ggagatacca tcagcaaaat gccagacgtc aaggagagtg tgcccccgaa atattctggc 120
 gactcagagg gcaggtcctg taagcccgaa acctcaggac cccccagga agacaagagc 180
 ggctccgagg acccccctcc ctagaacgta actagtcac aaactgagga gctgtccgtg 240
 t 241

<210> 12083
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 12083
 cataaccac aaggcactta aatacttata aactatgcac acttgagtta aatgggcttt 60
 tgtgagcgga acgggcatcc aaactgccat ttatggcagc cctttatggg aagctttgct 120
 gtnagctcag gaaagttata aattttttgt atgccccaaa tgccattgaa acatggaccc 180
 tctgcttctg tttgtgggat attagttgat gaatgcattt gactgtcttc cgagatcctc 240
 aagggaaaagg gcgctcctgc cagggttaagc ttggtattca aactaagagg agaacacggg 300
 agcactggat gggcttgtag gtggtgacgt tgtttccaag acgaccttga gtatcagggg 360
 aaaggccgtc ggtagccttc tctccc 386

<210> 12084
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 12084
 agaccagcca gccctgggtt gaactatgcc gacctgaat tgccctcttga aggcagaagg 60
 agcttaggag gcacctgagt ccccaaagga gacatcgtag agtcagagcc ctgtaccag 120
 ctaaggccag catccagctg ccctgtgact tgggaatggt tgatgagtca gaggaaaatg 180
 cctagagtga cccagcatgc tcaactttccc tctatcttac c 221

<210> 12085
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 12085

ttacaaagaa	aaaaattcca	gtgaattgtg	cagaaatgct	ggtttacacc	atcctaaaga	60
aaaactttac	aaggggtgtt	tggagtagaa	aaaaggttat	aaagttggaa	tcttaaattg	120
taaaattaac	cattgagtgt	caaagttcta	aaagcagaac	tcattttgtg	caatgaacat	180
aaggaaagac	tactgtatag	gttttttttt	ttt			213

<210> 12086
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 12086	
gggatctcgg	actccctgga cctccctccc agcccagcct cgctagctcc gcctgcggta 60
cgtgctcccc	cctccgactc aaaatgcctg tctggggagg tggaacaag tgtggggcyt 120
gtgggaggac	cgtgtaccac gcagaagagg tgcagtgtga tggcaggagc ttccaccgct 180
gctgctttct	ctgcattggt tgcaggaaaa atttagatag caca 224

<210> 12087
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 12087	
attttccttc	tgttttcacc cattctggca caatctggcg ccacgcctct tcttgtgagg 60
ccaagcctga	aaatgcgaas agagaggcag gacccaaatt gaggcgaatc caggaacctg 120
ccaatgggtc	tccgggtgcg gtctctgaaa ctggaggata tcgggaggaa aggtctctccg 180
atgcggagat	aatggggaag ctcttggcat ggttggctgt aggtatgtga taccggagga 240
gcaggagtca	aataggatac gccgactttt aattcaagga acccttttct gaaacacttt 300
gccacaatga	aggaaataag gaataaaatt gaagg 335

<210> 12088
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 12088	
attccctacc	cancagccct cgcgcgggtcc ggcacagcgg acaccaggac tccaaaatgg 60
cgtcagttgg	tgagtgtccg gccccagtag cagtgaagga caagaaactt ctggagggtca 120
aactggggga	gctgccaagc tggatsttga tgcgggamt cagtsctagt gggmatthtc 180
gragcgtttc	aaagagagca cgagcgggtc cgcaaatacc actgaagagg acacgctctg 240
caccnscca	ccccacgacc ttggcccag cncctccgtg aggaacacaa tctcaatcgt 300
tgctgaatcc	tttcatatcc taataggaat taacctccaa ataaaacatg actggtacgt 360
gtg	

<210> 12089
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 12089	
attccctacc	cancagccct cgcgcgggtcc ggcacagcgg acaccaggrc tccaaaatgg 60
cgtcagttgg	tgagtgtccg gccccaggta aggtctgttg gactccgtgg tggaagcagg 120
agccagggtc	cagggtccag agccacactg ggaragaagg aagctgcgga ctggcctgcc 180
ctttgtctag	gcacttcgcc acgacctcac ttgaggcgcg ccagaccccg ctccgcctgc 240
ccaggcgcgc	cttctgtctg cccagggcct gcgccaaccg ggtaggcgt ggagggtgaa 300

ggcatctggg gcacgcgctt ctgggcctgg gaatgcgccg ccttggggcca ctgttcctct 360
 ttccgctaag aaatagccgc kkcctctcc cgctgcgacc cagttgcttt gcgsgtgaat 420
 gttaggcgca gnkttgccct tttttcccaa ggcttaagct cagatgaagc tccaggaggg 480
 agctcaggac taggactgta cc 502

<210> 12090
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 12090
 cttcaaatta tttcttaaaa tgcgtgtgta tccagagttt aaactgaaag agttgttttc 60
 ttaattccaa ctgtattttt aaagtatcat tcaacttcaa gtaataatta aatttttcat 120
 gttttgttta taagtgaatg tatgtaaatg ataccaattt ttggcca 167

<210> 12091
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 12091
 aagaaaaaca catggcagct ggggttcagca cagcaagcaa gagagaatgt gtaagaaaat 60
 gctagcaaga tgagagccat ggtgttttgg taacctagtc gtaataccag catttttaat 120
 attac 125

<210> 12092
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 12092
 tcgattgtta acgtgttttt gtttgggaag taattttgtt tgaaaatgct ctcacataca 60
 ggaattaggg cctagattgt aagctcttgc agcagtcaca tttgttcccg ggctttggtg 120
 gttattncta aatttttgag gtgctttgct atttcttgtg tgacctgata gctccctgga 180
 actttgggtc tgtgtgtgac acatgagact cacagttgga gttctccagc tctggagggtg 240
 ctgaaggagc tgcattaatt ctggaagacg actccatgca gcaactactg aagaaaggac 300
 cagacttcs wkggggagtg tggatgggcc gacctggctg ggactcgtga atctggagaa 360
 gagctggaga atnnntagta ttgtctgtat ttggagactt taattttctgt gtgagaccaa 420
 aggaggagag atgt 434

<210> 12093
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 12093
 caggatctaa tttctttgat aagttctagc tctaaaagtg atagtgggac tgtatgtttt 60
 ctgatactgg tggcttatgt tattaacact tttttaaaaa aggttcactc taaaagctga 120
 actacatcct tagttttcag tctacttgac tctatcagga gctttttaag gaaagtaagt 180
 ataacatgca aaggaagctt tttttgtatt cattttggac tcctgtcaat aaaaatagaa 240
 gtttgttgac tcgttttatg tttcaatgtg tgt 273

<210> 12094
 <211> 490

<212> DNA
<213> Homo sapiens

<400> 12094
caacaaatta aagagactgg tgctaacct gcaatttgtc agtggggcct tgatgatgaa 60
gcaaatcact tactttctca gaacaacttg cctgcggttc gctgggtagg aggacctgaa 120
attgagctga ttgccatcgc aacaggaggg cggatcgccc ccaggttctc agagctcaca 180
gccgagaagc tgggctttgc tgggtcttgta caggagatct catttgggac aactaaggat 240
aaaatgctgg tcatcgagca gtgtaagaac tccagagctg taaccatttt tattagagga 300
ggaaataaga tgatcattga ggaggcgaaa cgatcccttc acgatgcttt gtgtgtcatc 360
cggaacctca tccgcgataa tcgtgtgggtg tatggaggag gggctgctga gatatcctgw 420
gccctggcag ttagcaagag cggataagtg cccacttaga cagtatgcat gagacgttgc 480
gacgcactgg 490

<210> 12095
<211> 420
<212> DNA
<213> Homo sapiens

<400> 12095
actagttggg aatactttta agtctcacct tcccctttaa actaatattc ataattgggt 60
catatgttta aaagacttta atttacaaat taaattgcaa atgggagcat tagatttagt 120
tttagactta ggtgggtagc aatgccagta aacttaaatt acgtaacttc ttgcaaccac 180
gaaacctgta atacgctgta cagtaacaag tggtggcatn atcagttgaa ctgtaaatac 240
aaaatgcttc ttccaattag tctctatgat gattaagttt ctaaaattta tctgaacacc 300
attcagaaac ttgttktggg gaatttgata gttattgatg tgcattctgt aaactgatga 360
cagacataac tcatcattcc ccagaaacct tttttgatta cagtatctaa cattttgcct 420

<210> 12096
<211> 227
<212> DNA
<213> Homo sapiens

<400> 12096
tagaatgctc atctctgagg actgctgtct tggcaagttg ttttgttttc tggcacctgc 60
ctgactgtaa gaaaatggaa ttaacaattc taaagtaaag aacacatgtc ctaagagagg 120
gtattgtccc catttcataa gggctctcag tacaactctt tatataactt tgtaacaggg 180
actttaacct attgaatttg tcactacata cttgccagaa tgaggkw 227

<210> 12097
<211> 147
<212> DNA
<213> Homo sapiens

<400> 12097
taaactatta tttatccttg tgtaatatta gtttttaact ttaacatctg tttcttttta 60
atctataatg agctagtttt atggaaaatg gaatttctta ctatataaag aatacagaga 120
ctcattgtat tagagaatca agtcagc 147

<210> 12098
<211> 212
<212> DNA
<213> Homo sapiens

<400> 12098
 gtctgccgcg gtggccgggt gccggttaagg gtttccagcg cccccggcct aggttttggga 60
 ggcgcgggaa tgcgttcgtt gtcagtgtc ggacttcccc ctattcccat cggccgagggc 120
 tgtcacttta cgctcataac cgtttttctt tactgcactc gtgtcgggag gaaagggact 180
 tgcgtggcac cccagacct cccggtctcc gc 212

<210> 12099
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 12099
 gctggcattt tctcctggac aaggagagag tgcggctgct gagagccgag cccagcaatc 60
 ccgctcctct gagtcgtgaa gaagggaggg agcgaggggg ttggggttgg ggcctgagggc 120
 aagccccag gctccgctct tgccagaggg acaggagcca tggctcagaa aatggactgt 180
 ggtgcggggc tctcggctt ccaggctgag gcctccgtag aagacagcgc cttgcttatg 240
 cagaccttga tggaggccat ccagatctca gaggtccac ctactaacca ggccaccgca 300
 gctgctagtc cccagagttc acagcccca actgccaatg agatggctga cattcagggtt 360
 tcagcagctg ccgctagcta agtcagcctt taaagtccag aatgccacca caaaaggcca 420
 aatggtgtct atgatttctc tcag 444

<210> 12100
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 12100
 ctgaatcttt acttattcat cagtaaaatg gacttaataa tcacttatgt ctatttcact 60
 gattgcagcg acttcataaa tgaaataatt catgtgaaac tattttgtaa catgtaatgc 120

<210> 12101
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 12101
 gcggtcggtc ggcgcctgtw ctcgggctgt ttggcggcat acagaaactg ctgtaaaaga 60
 agaagtgtg ggtatttttt ttttt 85

<210> 12102
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 12102
 gaaattgttt ttctttcagt aactaagggt gtgtgttttc aaaaccaaac acaaacctgt 60
 caagagtatt tggtggctag tttcttaaaa ggccaagaga aaaaaaatga tatatctttg 120
 gaaaactttt aatttgggag ttatgtgagt tgtctttctc ctggatcacg attcacattt 180
 aattgctttt ccagttgcaa caagtccttc ttgagagttt tgtggaaaat ggtgcttccc 240
 tg 242

<210> 12103
 <211> 205
 <212> DNA

<213> Homo sapiens

<400> 12103

tggaaaggct	cttactcgca	attttaaaca	caaaaatgaa	aaaaagatac	agacagccca	60
actaaatcct	tgaaatgcag	cgtggcgtga	aaatggagcg	gcattttagt	taacgagggg	120
ctggatgcc	ttcacaggaa	tgcagtttct	acagggttct	gctttgcaga	gacctctcct	180
gataataata	ataaatttac	tcaga				205

<210> 12104

<211> 564

<212> DNA

<213> Homo sapiens

<400> 12104

acttttccgg	ttgtgctagg	ygctgctcc	tgycgacgtg	ttcttccgg	ggcggasggc	60
ggattagcct	tcgcggggca	aaatggagct	cgaggccatg	agcagatata	ccagcccagt	120
gaacccagct	gtcttcccc	atctgaccgt	gggtgctttg	gccattggca	tggtcttcac	180
cgctgnttc	ttcgtgtatc	ctttcactga	gcagccagag	gaccagcatt	agtgatgtgg	240
gaagctcagg	gagaaaccac	gctagattgc	cgtgggctgg	gctctctgca	ctccacagtc	300
caccccttcg	ctttgcctta	actgctgtgc	ccagttacga	ggtcacctct	accaagtaca	360
ctcgtgatat	ctataaagag	ctcctcatct	ccttagtggc	ctcactcttc	atgggctttg	420
gagtcctctt	cctgctgtct	tgggttggca	tctacgtgtg	agcacccaag	ggtaacaacc	480
agatggcttc	actgaaacct	gcttttgtaa	attacttttt	tttactgttg	ctggaagtgt	540
cccacctgct	gctcataata	aatg				564

<210> 12105

<211> 203

<212> DNA

<213> Homo sapiens

<400> 12105

tattgtagtg	agttagaaaa	gaaaaaaagc	agaatttttg	atcaggggaa	acagattaat	60
tcccccttg	gacctagaca	aattattata	gagagcctca	gcttccccat	cagcaaatg	120
gaggtagagt	ctcgtgacac	cttcccgggtg	gttgggaaat	gctttgagtt	cctgcaaaca	180
gaggtatatg	atagtataat	tac				203

<210> 12106

<211> 350

<212> DNA

<213> Homo sapiens

<400> 12106

acgtgcctcc	gatcacgtga	ccggcgccctc	tgctattcta	ctgcggccgc	cctggcttcc	60
ttctacctgt	gcggccctca	acgtctcctt	gggtgcgggac	ccgcttcact	ttcggtctcc	120
ggagtctccc	tccanntgct	cagacctctg	gacctgacag	gagacgccta	cttggctctg	180
acgcggcgcc	ccagcccggc	tgtgtccccg	gcgccccgga	ccaccctccc	tgccggcttt	240
gggtgcgttg	tgggtccccg	aggattcgcg	agatttggtg	aaagacatto	aagattacga	300
agtttagatg	accaaaatgg	atatccgagg	tgctgtggat	gctrctgtcc		350

<210> 12107

<211> 284

<212> DNA

<213> Homo sapiens

<400> 12107
cacaggmna gtagcaaagg ccaggctttt ctttggtttt cttcaaaca aggtgaaaaa 60
aacactgcca ttcacaagtc aaggaaccca gggccagctg gaagtgtgga gcacacatgc 120
tgtggagcac acatgctgtg gagattgcag tgtgtctgag gtttgtgtag tagtggaaga 180
ttttaggtat gtagagcaag ttgaaaatgg attgagactg catggtggca taaatgagaa 240
attgcctgta gcatctagtc tacttgaagg aagtggagac ataa 284

<210> 12108
<211> 303
<212> DNA
<213> Homo sapiens

<400> 12108
taatcaaaat ttttttggcg agagtttgtg gaagatggcg cctgttgtga caggtcattg 60
aaattatgag actatcattc aaatggaagc attatagttc ttcggaacca ttatgatctc 120
aaaacgaaag gagaatgata cagatacact ggctgaggtg ttttgaggtg catcgaagtg 180
ttccaagctg tgacttacct taacatgttc ttgaagtacc atggcgtgga ttaaaaggaa 240
atttggtgag cggcctccac ctaaacgact tactagggaa gctatgcgaa attattttaa 300
aga 303

<210> 12109
<211> 308
<212> DNA
<213> Homo sapiens

<400> 12109
aacccttget ctgaagtcac aggcctgact tccagactag gctctgccct aaggaaatca 60
cctttctggt cttagtctyc ccacttgaaa atggcataac caacctacct gcctcaaata 120
caagaccctg cttgtgaagc gtctcctggc tcagaccagt gctagaagtg tccagtctag 180
cagctcctgg accaagactc cgtggccatt cccttctcc tgccttccat ccacccctt 240
acgatacaga agttgagata cagagaggtg aaggaacttg tcccaggccc tacagctaata 300
caaaaaaa 308

<210> 12110
<211> 388
<212> DNA
<213> Homo sapiens

<400> 12110
agaatgtaaa cttgccagct tagacagggg tcaagtctga gactgctggc agtagcaaat 60
ggctattaga gtaactgtat aatggttttg cctgcacttt ctctatgtat atacaaatgt 120
acatgtataa atataaaaaa taagtgatca tggttcttgg taacctgtcc caagtgtgtg 180
gattcacacg cctgacacta aaaggttctt cctagtccag tcagccagct gtgaccacca 240
gcagcacagc tgagtgtgga gaatctggct ggaaagagaa acgtggctca agtgctggct 300
caccttctag ctgtgtggcc ctgggcaggt tactgaggct cttccaacct cacttttcac 360
atgtaaaatg gcatttctaa aagtacct 388

<210> 12111
<211> 379
<212> DNA
<213> Homo sapiens

<400> 12111
cctgttcttc atgttttgag gttactcgtc aaagtgtact ttgccttcca aaatggccct 60

ttggggcttt	cttgtaaacc	acagattgaa	gaatgtgggt	atcatgttaa	acatgcaaga	120
gtctgggcgc	agtggctcac	acctgtaatc	ccagcacttt	gtttgtttgt	ttgtgactga	180
atcttgtctc	gccgccaggg	ctggagtgc	gtggcaccat	ctcagctcaa	tgcaacctcc	240
acctcctggg	ttcaagcaat	tctcctgtct	cagcttccag	agtagctggg	attacagaag	300
cccgccacca	tgcccggtta	atTTTTgtat	ttttagtaga	gatgggggtt	gaccatgttg	360
cccaggctgg	tctcaaact					379

<210> 12112
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 12112	
acgccccgct	cgcgctcaagt gactgaggcc tgtgggtggag aaggacgtgc cgtgccgctg 60
ggttctgagc	cggagtgggtc ggtgggtggg atggaggcga ccttggagca gcacttggaa 120
gacacaatga	agaatccctc cattgttggg gtctctgtgca cagattcaca aggacttaat 180
ctgggttgcc	gcgggacctt gtcagatgag catgctggag tgatatctgt tctagcccag 240
caagcagcta	agctaacctc tgacccact gatattcctg tgggtgtgtc agaatcagat 300
aatgggaaca	ttatgatcca gaaacacgat ggcacacagg tggcagtgca caaaatggcc 360
tcttgatgct	catatctgtt cttcagcagc ctgtcatagg aactggatcc tacctatgtt 420
aattacctta	tagaactact aaagtccag tagtagggcc attcatttaa tgtg 474

<210> 12113
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 12113	
acgccccgct	cgcgctcaagt gactgaggcc tgtgtggaga aggacgtgcc gtgccgctgg 60
gttctgagcc	ggagtgggtcg gtgggtggcg atggaggcga ccttggagca gcacttggar 120
gacacgtgag	tagtgcgcg cttctcgcc tgtcctgagg tgcacgcga ggaacttgag 180
cggaacgaaa	agcgcgagct gcgagtaccg gccagggcgw mwmggggacg tcgcgcgacc 240
cccg	

<210> 12114
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 12114	
gtttgtttcc	ggaatttcaa taaagctcga ttcggctcga agaagacccc gttcttccgg 60
gaaaatggcg	actcccgtc gtgccccgga gtcaccgcg tccgcggatc cggcgctagt 120
agcggggcct	gccgaggaag ccgagtgcc

<210> 12115
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 12115	
agagactgaa	cagccggcga gcaaataaac ggcattccaga aagccatgtc ggactcggcg 60
cccagcgccc	aagcgtaaac ccgtgaaag tttctcagcg aaatctcang ggrsgatctg 120
ggaccccgct	gagaggaact gcttttgagt gagatggctc cagaggcctg gaggagcgga 180
ctgcaakccc	cgccaacac ggactggcgt ttctctcagg ccagagagacc cggcaccagc 240

ggctcccaaa atggcgatga caccggcacc tggcccaaca accagtttga cacakagatg 300
ctgcaaccat gatcttggcg tccgcca 327

<210> 12116
<211> 332
<212> DNA
<213> Homo sapiens

<400> 12116
agagactgaa cagccggcga gcaaatacaac ggcattccaga aagccatgtc ggactcggcg 60
cccagcgcgc aagcgctaac ccgctgaaag tttctcagcg aaatctcagg gacgatctgg 120
accccgctga gaggaactgc ttttgagtga gatgggtcca gaggcctgga ggagcttggga 180
gaagggggcg gattgcgggtg aggggaggas tggaaacctc gggcctgagg tgctgaggat 240
acctgaaagc gggctgagag tgtgctggag gaggcgggtc ccgcgggggc ggagctaggc 300
tgccctggcg gggccggaat cctgacaggc gg 332

<210> 12117
<211> 466
<212> DNA
<213> Homo sapiens

<400> 12117
aaaaaaggcg ggagcgtcaa tcccggggtg agcaaaatgg cgcgggagaa ggagatgcag 60
gagttcaccc gtagcttctt ccgaggccgc ccgagacctc gcacgcttac gcattccatc 120
gtgcggcgga ggtacttagc tcaactcggc cgcagccacc tggagcccga ggagaagcag 180
gcactgaagc ggctgggtga ggaggagctg ctgaagatgc aggtggatga agccgcttcc 240
agggagaacn aamctggacc ttascaagaa gggcaagagg cctcccaccc cttgtagcga 300
cccggagaga aaaagggttc gcttcaattc agagtcggag tccggctctg aagcctccag 360
cccagactac tttggacccc cagcaaagaa tgggntggca gcagaagtca gccagccaa 420
agaggagaat ccaaggcgag cctcaaaggc agttgaggag agcagt 466

<210> 12118
<211> 148
<212> DNA
<213> Homo sapiens

<400> 12118
cctcagcttc cagccaaaat ggcggagAAC agcgagagtc tgggcacygt ccccgagcac 60
gagcggatct tgcaggagat cgagagcacc gacaccgcct gtgtggggcc caccctccgg 120
tctgtgtatg atgaccaacc aaatgcgc 148

<210> 12119
<211> 383
<212> DNA
<213> Homo sapiens

<400> 12119
artcagttcc ggcgggtgac ggtgcggacg ggtcaggagc gtagaggcgg cggcaaaatg 60
gcggcgcctg asgagcggga tctaaccacg gagcagacag agaagctgct gcagtttcag 120
gatctcactg gcacgaatc tatggatcag tgcgccata ccttgawsa gcataaactg 180
gaacatagag mgacaaggc tgcgtwcatc tgcctggct ggtctcgaaa tttctggtct 240
ctgggtctca gcaatcctct cacctcggcc tcccaaagtg ttgggattac aggtttgagc 300
camcgcgcct gammctgagg ctayacatt gagcaacttt tcagagagaw ggagcttggga 360
tcagaccgaa gtttctctgc atg 383

<210> 12120
<211> 481
<212> DNA
<213> Homo sapiens

<400> 12120
artcagttcc ggcgggtgac ggtgcggacg ggtcaggagc gtagaggcgg cggcaaaatg 60
gcgggcgctg asgagcggga tctrrcccag gaggagacac agaagctgct gcagtttcag 120
gatctcactg gcatcgaatc tatggatcag tgcgccata ccttggaaaca gcataactgg 180
aacatagaga tggagtcctg gtttggttgc caggctggag tgcagtgcc tgatcatagc 240
tcaactgtaac cttgaagtcc tgggctcaag aagccttcct gcctcagcct cctgacacc 300
tcagactaca ggctgctgta caggacagat tgaatgagca agagggcgta cctagtgttt 360
tcaaccacc tccatcacga cccctgcagg ttaatacagc tgaccacagg atctacagct 420
atgttgtctc aagacctcaa ccaagggggc tgcctrrgatg gggttattac ttgataatgc 480
t 481

<210> 12121
<211> 446
<212> DNA
<213> Homo sapiens

<400> 12121
actgaggatg aaatggtaac ccagtagccc aaaagacaaa gtccttctca acaaagccta 60
accaacaggc aatggattat agtgattcag aggaaagata agaaggttcc tttgtcttgg 120
acctccacta gacatcaagg aaacatgcca aaaaagtaaa caacaaaggc cccacacct 180
ttccaaacta caacccaaaa taagttgatc tgagaaacaa attgcaatgc cgcagtcaaa 240
gcagatgtgt ccaaattcat gtaggaccag acacatcctg aacctttcag tgcaacagct 300
gttcaagact ttcttcaaaa tcatccaagc acaagggttg ataaaaata cacaacatgg 360
ctgatgctca anncaaccaa aacaccaggc tctttgctga aacctctgag aagggttcct 420
ggctccaggc cagcctcaat ggaata 446

<210> 12122
<211> 243
<212> DNA
<213> Homo sapiens

<400> 12122
ctttatagaa tsagaacctt ttttggacta gcttttttat taaaatggct caatttgtgt 60
tgataaggat tgcattaata tttaatagtg cttgcttttc ctctgggcac accattttga 120
tcattaacca gagtacctct actcttagca aactctagtt tatgacaagt atttaaaata 180
tttaaaacaa gcttatgcag ttcttaagga cgaaggtaaa tgagatgtaa cttaaaaata 240
gta 243

<210> 12123
<211> 365
<212> DNA
<213> Homo sapiens

<400> 12123
agcctgcgct ggctgcccgg caggcggcag aaggaaggag gmagagcggg ggcaggggcg 60
ggctctaggc cgtggaatct ggggccttaa agccccctcg tctccccagc accactctc 120
tgggggcagg tggggccggt gacagtaacc ttcaggagac cctgaagacc atggaggact 180
actgaccaac aacctctgac cttcaccct ctggatgggg gacgaatcac taggcaaagg 240

ggaacaatgg gaaggagaca aaatggctgc ctttacagct gcagcaagat gtggaaacac 300
 tggttcccta ggcacctcca ttgtcttccc gccttgggag catgaaataa ataaagtgtg 360
 aaggg 365

<210> 12124
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 12124
 aaaatgggag ggggagacgc aagatggcgg cagcgcgaac tccggctcta gcctcccgt 60
 gttcgactgc ccaacctggg caggtaagcc ccctcccgt ttacatctgg atgtagtcaa 120
 aggagacaaa ctaattgaga aactgattat tgatgagaag aagtattact tatttgggag 180
 aaacctgat ttgtgtgact ttaccattga ccaccagtmt tgctctcggg tccatgctgc 240
 acttgtctac cacaagcatc tgaagagagt tttcctgata gatctcaaca gtacacacgg 300
 ccataatttc tgaagtgaaw gtggat 326

<210> 12125
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 12125
 aggtcttcca actatgccct tggattgtgg cctactgtat gttattaaat ggtctcttac 60
 tatccaaaat gggagtagat gctgtggccc cgtctccctt ggcttttacg tcccatatcc 120
 acccccattc atgtacaaca tgtgaaatat aaaaatctca tttcttgtca aaatcagcac 180
 tgcttatttg catactcagc atcggatcag tgagtagttt tataaaaaat ccacgca 237

<210> 12126
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 12126
 ggatcgcttt gctcacggcg ctatctctcg ataaagtgtg tgttgccggct tccgccggcg 60
 gtggaagaag atggcgctcg gtggtggtgg ctgtagcgt tcggagagac tgcctccgcc 120
 cttccccggc ctggagccgg agtccgaggg ggcggccggg ggatcagaac ccgaggctgg 180
 gggacagcga caccgagggg gaggacattt tcaccggcgc cgcggtggtc agtaaacatc 240
 agtctccaaa gataactaca tcccttcttc ccatcaacaa tggctccaaa gaaaatggga 300
 tccatgaaga acaagrscas gagccacagg atctctttgc agatgccaca gtggagctat 360
 ccttggacag 370

<210> 12127
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 12127
 tgaatattcg aactcaggtc ttgggaggca tcattccgtc tccttcccgt gtgtcattaa 60
 ctgtgagttg ctactggctg gaagactttc tctgtatcta aaaaagtaaa cacattg 117

<210> 12128
 <211> 388
 <212> DNA

<213> Homo sapiens

<400> 12128

ctggcctcat	ctagccccgc	cccaggcgag	ggcgccgcac	ccacaccgcg	ctgcgcagtt	60
ttgttctgct	ccagctgttc	gaaggtgatc	cagacgcaag	atggctgtcc	tctctaagga	120
atatggtttt	gtgcttctaa	ctggtgctgc	cagctttata	atggtgggcc	acctagccat	180
caattgaact	gacacttttt	ggggggtcta	aagaatcaat	tcaaaatcta	ttcattaaaa	240
aaaaaccctc	atttcttcta	gttttatcat	aaaactaaga	taatcagtcc	atgcaaactg	300
tgatatgata	tgaacaaaa	caaaccacca	ccactaaaaa	acccgcagtt	caagacatgc	360
ttaattataa	cttgacatac	cccacaac				388

<210> 12129

<211> 255

<212> DNA

<213> Homo sapiens

<400> 12129

aatttgttcg	catcaaagaa	actccttctg	aacaggagag	caaagtcttc	gttctgactg	60
aaaatgggga	gcgtacctac	actgttaacc	atgaaaccag	ccaccacca	ccctccaaag	120
tctttgtctg	tgacaagccc	gagagcatga	aggaattccg	cctggatggg	gtttccagcc	180
atgcgctgtc	agacagctcc	accgagttca	tgcaccagat	tattgaccag	gtcctgcaag	240
ggggcccagg	taaga					255

<210> 12130

<211> 404

<212> DNA

<213> Homo sapiens

<400> 12130

agcactgcag	ggctctgcgc	gggaacgcta	acctgggtccg	gagcgagtct	gggtctcagc	60
cccgcgaaca	gcctttcacg	agtcttcaag	ctttcaggct	atcttctagt	caagatgagt	120
gataagccag	acttgctcga	agtggagaag	tttgacagg	caaaactgaa	gaaaactaat	180
actgaagaaa	aaaatactct	tccctcaaag	gaaactatcc	agcaagagaa	agagtgtgtt	240
caaacatcat	aaaatgggga	tcgcctccca	acagcagatt	tcgacattac	ctgagagtct	300
tgatttttagg	cttggttttt	gtaaacccat	gtgtttgtag	agatttttagg	cgtcttcgga	360
tatcnnncac	ctatgttccc	tggctaagaa	gtcagaggwa	gcca		404

<210> 12131

<211> 284

<212> DNA

<213> Homo sapiens

<400> 12131

taacttaaaa	gaagtaaaac	gtaattgcac	tactgttttc	cagactggaa	aaaaaaaaatc	60
tctgcaagtg	aaactgtata	gagtttataa	aatgactatg	gataggggac	tgttttcact	120
tttagatcaa	aatgggtttt	taagtagaac	ctaggggttc	taattgactt	gattttctgga	180
aatgaaaacc	cgmgtcttta	ttatgggaag	cttcttgaac	tgcatttact	attgtgaagt	240
ttcaagtccc	gctgtaaaga	tcatgttggt	ttgttttccc	cagg		284

<210> 12132

<211> 179

<212> DNA

<213> Homo sapiens

<400> 12132

tcttaatttt	ggttttgaca	ttcattta	ttttccatg	ttaaatatgt	agtttaatta	60
tttactcaaa	ataaacattg	ttcatgcttt	taggcctttg	ggggaattga	tttttatcca	120
caggtagaaa	atgggtctttg	cacacactac	acttatttca	aatatacaat	gtgctccc	179

<210> 12133

<211> 387

<212> DNA

<213> Homo sapiens

<400> 12133

tttacattag	agtgaataat	aaatgggtttg	tttctgaagt	tagtttctta	agtgaatttt	60
caggtgtctc	tgaaaaattt	ataacaatca	tgtattatat	gtgctgtaac	atcatgtacg	120
ttacctccat	ctatttttagg	atattttcct	cacctatata	ttatagggag	aataatttag	180
atacacatgc	tcagagctga	gatattttctc	tgataaatca	ggtaacaaaa	tgtatttgat	240
tgatggaatt	ttgaagtaaa	tgtgtttttta	tccatcagtt	tctgagtaac	aaagagcacc	300
aagttttaat	ttaaatagga	gatttaaacac	taggratcag	ggagtttagt	atgaagagtt	360
aaaaaaattt	aaaaaacagt	gtaagct				387

<210> 12134

<211> 423

<212> DNA

<213> Homo sapiens

<400> 12134

caatggttgg	gaaccactgc	tgtaagggaa	tcattctggt	caccttgagc	tttgagctac	60
cactaagcca	tgaaagaaaa	tacatcatac	aggggaagaga	gaagggagga	ggttccaagt	120
agtaactggc	agatcctcct	gtctggagggt	accaccttct	attctgggtt	ctgacttttc	180
cttcttgatg	accatagatg	tgttccagag	gcaaaagaga	cacattatcc	cagatggcag	240
aacatgcttt	caaaacatat	aaaatgtcaa	agttccagat	ccttctacat	cttttagtct	300
gtctgaggat	ggtagctggc	tctctgtagc	tgatagatgg	ctagagttcc	atccaaatcc	360
ttgaaccacg	ancttcatgg	agatttgaat	aatctatttg	atgagatttc	tatttcaata	420
acc						423

<210> 12135

<211> 251

<212> DNA

<213> Homo sapiens

<400> 12135

agacaaagcc	catgacgggc	atccaggatt	cctgtgatca	gctattacca	aagtccccrg	60
gcttttctcta	cggatgaaaa	tgtcaatgtc	aggaaacatg	tctgccacag	cttcttgaaa	120
cacagaggac	aaaggaagtt	gaaggaagat	tttttaaaaa	tcaaaattat	ttttagataa	180
ttgattatga	gcattagtaa	ggaacttgca	aagggtctggg	gactgttata	acacttggtc	240
tctcacctat	c					251

<210> 12136

<211> 204

<212> DNA

<213> Homo sapiens

<400> 12136

gtgggttcggg	yccgctttcg	tctccgcctg	ctgccgtccg	ccgctgctgc	cgccgcttgc	60
gtcccccgct	ccggtctgtg	gtgcagccgg	gacccaggac	catgtctctg	tctcgctcag	120

aggagatgca ccggtcacg gaaaatgtct ataagaccat catggagcag ttcaactcta 180
gcctccggaa cttcatcgcc atgg 204

<210> 12137
<211> 207
<212> DNA
<213> Homo sapiens

<400> 12137
attctcagga gatataat ttttgacatt tatgtctgaa aatgtctatt ctttactcat 60
gctttattac aaagggttga aattctaggt tgaagtcatt ctctttcaga attttgaagg 120
cagtatgcta ttattttcag ttttcagtat tattgttgag aaggccactt ttacctgcct 180
tgacctccaa gcctctgcat tttcgcy 207

<210> 12138
<211> 470
<212> DNA
<213> Homo sapiens

<400> 12138
atctcttttc tcatctcttg aaaaaaacca acagagaaaa aagtaccttg agaataaagg 60
taatgattaa tctgtcaggc acaaaaggga ttgttttgagg gatttcgggt tctaagtcgc 120
agattcaaac aaatagcagc gaacagggaa tgacagttcc accagaagac gattaagcca 180
cagcctctaa ttggawcggc atttgtacag tcagagactc ttaccagaca tctccaggaa 240
tctgtgagcc attgtcaaaa cgtccatttt catctggctg tgaaagtgag gaycacaaca 300
ggtaggtatt ggtagaaaaca ggagtcctca gagaagcccy aagatgcagc ctgagggagc 360
agaaaaggga aaaagcttca agcagagact ggtcttgaag agcagcttag cgaaaganac 420
cctctctgag ttcttgggca cgttcattctt gattgtcctt ggatgtggct 470

<210> 12139
<211> 338
<212> DNA
<213> Homo sapiens

<400> 12139
catcccagtg tcatcccagt tagtcatact ctagctgtgt gatttttaggc agtttactta 60
atctctccgt ggctcagttt ccttctttgt aaaatgtgga ttattataat acttagctca 120
tgatgattgg aaagattaaa tgttatttca tataaagtga acagaacagt acctgaaaca 180
taacagttaa tagtcaata aatgttagca attataggat cacagtcac cattcaaact 240
cttagggctt aataggttat ggaattagga attttttttt tatatgggca aggtagtaat 300
gtgtagcctt ccaatagagt ccagtgaat atccccct 338

<210> 12140
<211> 275
<212> DNA
<213> Homo sapiens

<400> 12140
gctgtaagga gcgagtgtg gaggggaacct ccgcaccgtt agcctccaac tgggagggcg 60
aggccaggcc cagggaacca acgttttctc ttagcttgct tctgcctggg ctgggttacc 120
atcctgggtg caggcacctg tgcacccac aggccttgag cctgtgcaat tatttcgaga 180
gtcaaaatgt ggatttccga ggcaagaagg tgatcgaact ggggtgcggg acaggcatcg 240
tggggatctt ggcagcgtg cagggtgcgt gagct 275

<210> 12141
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 12141
 tcaraattta taataaaagc acattaactt aatgacattt catttaactt ctgtagacat 60
 gaaaaaactg cttcgtaaca tgtgaagtcc agatccaagg gaacctcaga aatccattga 120
 agttccattg ttaagaagtt ctgtttgttt ggcaactgct ttaaaccgga tagaacaaga 180
 tcagaagtgg cagtctataa ctgaaaatgt ggtaaagtac ttgaagcaaa catcccgcgcat 240
 crctattgga cctctgagac tttctacttt aacagtttca cagtctttgc cagtnctaag 300
 taccttgtag ctgtattgct cgwttgcttt ggagascaca gtttctaaca gactttcarc 360
 agaggtctgk atattttttac aagcr 385

<210> 12142
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 12142
 atgtcactcc agtctctgcc ttgagatctc ataaactttc agatcaaaat gtgtaacatc 60
 tgcaacatct aaacttaaca acaacc 86

<210> 12143
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 12143
 tgcgcaattg ctattttccc cagagcgggt ttgtctttgg atttagcggt tcagaattgc 60
 aattccaaaa tgtgtaagac gggatattct cttctgtgct gtcaagggtg agagttgcga 120
 gtgtagatta gaatttctgt tgcttttagt ctgttagtaa ttttttgctt tcagctatta 180
 tttctccccct 190

<210> 12144
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 12144
 taaacatttt gagattttaga taaactacat ttttaactgaa tgtctaaagt gattatcttt 60
 tttcccccca agttagtctt aaatcttttg ggtttgaatg aaggttttac ataagaaatt 120
 attaaaaaca aggggggtgg gtaataaatg tatataacat taaataatgt aacgtaggtg 180
 tagattccca aatgcatttg gatgtacaga tcgactacag agtacttttt tcttatgatg 240
 attggtgtag aaatgtgtga tttgggtggg cttttacatc ttgcctacca ttgcatgaaa 300
 cattgggggtt tcttcaaaat gtgtgtgtca tacttctttt gggagggggg tkgttttctt 360
 ctgtttattt kctgagactc ctacaggagc caaatttgta atttagagac acttaatttt 420
 gttaatcctg tctgggacac ttaagtaaca tctaaagcat tattgcttta gaatgttcaa 480
 ata 483

<210> 12145
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 12145

cagtttgagg	tgggtggagac	tcagatttgt	tgctgaaagt	tcagtaacac	agtcttggtc	60
tttggcccta	gagaaacttt	ttatatgaga	agtgttctct	atatacatgt	ttgaggtgac	120
tctggaatgg	attatgaggt	catatctcaa	aatgtcagaa	aacgtataga	gcactcgaac	180
ttttgtatth	gctgcttaac	ctcaatatta	cagccacaaa	caaggggtac	caagacaaaag	240
tataactgag	cataagcaga	aaatgttaac	cctccaggtt	tctttcttaa	gcacaataaa	300
agtg						305

<210> 12146

<211> 441

<212> DNA

<213> Homo sapiens

<400> 12146

atgtctttgt	cttctgttta	ttcaagtgt	ttccatttgc	tttcgggaat	atttgatgt	60
tttagaacta	acattctgct	ttataaatcc	aaacacacta	taattccatc	aatttgagtc	120
tcttaaaatg	ttacactgaa	atgaatctct	ctgaagatgg	acttattgat	ttctatatkc	180
ttcctctagc	atcatgaaat	ttgacctctt	cagccgtgca	tgggttaacac	tcttagagtg	240
atgtgagacc	aagttttctt	caatggcatc	agataaccca	tctccttgag	aagaaccctt	300
gatgaaaaag	aaatcctctc	caaatacaata	tcttcattca	tcactacact	acatgtkcta	360
ttttccttcc	tccatttctc	agaggaagga	gttctattac	ttgccattga	tcttaaaatt	420
atagttatcc	tccactgtgc	t				441

<210> 12147

<211> 398

<212> DNA

<213> Homo sapiens

<400> 12147

tattagtaaa	atgttattag	attaaaatta	tggagtaagc	atttggcaaa	ctgattgact	60
cttcaactga	aagaccaggc	tttttagcac	acatttctgt	tcattgcttaa	ggtcagaagt	120
caatcaaagg	caaccagaaa	aaaaaaaggc	aaataaatga	attagggaca	taattattty	180
ctgttataaa	taatcaggat	cttttcaagt	ttatttatgg	ggagttgttg	aataggctag	240
ttttatgcca	tgcaataaaa	atgtgaattt	caaaaatctt	agtgaactc	aaatttatth	300
ttacttrncg	ataataaaat	cacaaatact	tcttgagctc	ttgctgtagg	ccaagtgtctg	360
tgctcagtac	ttaacatgga	taaactcgat	tgagtatc			398

<210> 12148

<211> 181

<212> DNA

<213> Homo sapiens

<400> 12148

ccttgaggct	ggagcaattc	ttattcacat	ctagtcctca	acacagtagg	cacaaagtgt	60
tgatagtatg	tgatagaaaa	ggaatagaaa	gaatgattgg	ttaaagtattt	atgggtaaaag	120
aaatgagtca	acatttctct	caaatgcctt	gaaaatgtta	ttatgatttg	cattcacaga	180
g						181

<210> 12149

<211> 150

<212> DNA

<213> Homo sapiens

<400> 12149
 gtatctggat gttcattcta ttattttgct ttgaatttaa aatgttccaa ataattgttg 60
 tatgtaataa ttaatatatt aaagataagc tataatctga agtcataatt taggagacat 120
 gtcattaatt ctgcctactc tctactgcca 150

<210> 12150
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 12150
 aaggaaaatg ttggcaacag tctctgaatc cagcctttct gggtatgact ttgggcaagt 60
 tacttgacct ctccaggctt ctatttcctc cgtcatacga gactaattat tgtaccgtga 120
 ggcaggatta actgaattac tccatttaaa gctcttagaa cagtaaccag 170

<210> 12151
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 12151
 aaaatgttta aatttgcttt tagggctcagt tgctctgtta tcagtagtct cttatgaaga 60
 atg 63

<210> 12152
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 12152
 ctctataata aaaaagtagg agaaagactg aagaaccgga gcagaacagg cctctgagcc 60
 caagccaagc catcgcatcc cctgtgactt gcccgatat atgccagat ggccctgaagt 120
 aactgaagaa tcacaaaaga agtgaatatg ccttgc 156

<210> 12153
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 12153
 agcttttggg tctctgcac aacacagcca gcatgcctat gatttctgtg ctgggcaaaa 60
 tgtttctgtg gcag 74

<210> 12154
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 12154
 atcaacattc gcttctagta aaattaaagt caattaagaa atagaacttg ggtcaaaatt 60
 ctgttacaaa gcttcataat ttgtcccgaa gcataatggg gagcattctg agaaatttgc 120
 tttttgtgtg tttgnacatt cctaatttgg gagtccttca gctgaattac tattctttta 180
 gaagttgaga cagcaggtaa gcaaaggacc tagttcatgt aaacatggac atcatgatgg 240
 ctattttaaaa aatatttgtt ctacaccttc tcccctgagg cttggggagt gtgttcagc 299

<210> 12155
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 12155
 tggtttagca tagttaaaaa agtagtgatc catcagatag agtttgctgg gccagaaata 60
 ctgcagtgcg gcagagacct tggaaaaagt gagatagcat atgcttaagc aatactgcac 120
 tagtggtgca taaatggtgg aggctgcggc tcccc 155

<210> 12156
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 12156
 ttaccaaaaca taattttctcc aaattgtaca aagttaaaat taacctcaaa ttcaagggta 60
 tttatttttct tttataaatt aagaggg 87

<210> 12157
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 12157
 acatgacatg tagctgttga agatgatttt gatgtatgta aaattaagca tattaatcta 60
 agaatctctc tccacattcg taggatgtaa tccctgttca ttactactta atacctccac 120
 caacaaagac taagaatgg 139

<210> 12158
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 12158
 ttaaagggaa acgactttgg actcacgtag gcataggaga acgaaacttc tgtacatttt 60
 aatctgaata attcttcagg atttaaaatt aattggctct ggcttggttg gaccgtactc 120
 ggatctcgcc acctctgctt tccccgaktc actggcgaag aggtgatttt ttttt 175

<210> 12159
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 12159
 ccccaacata cagagattac agctaaaatt acgaccagag ctgttaatca aatcccatct 60
 tcccttcta ttcacacagt agagatgta taagtcatac aggtttgaga cagaaaattg 120
 agagcagagg agcakgtgtt ttaamccag 149

<210> 12160
 <211> 309
 <212> DNA
 <213> Homo sapiens

<213> Homo sapiens

<400> 12164

tgtaaagtgt	gctgttggtc	taagctctgt	taatgttaag	cattctttgt	atataaaatt	60
acaataaaat	gttaaaactg	gttgcttggt	ttgtggatga	atgtaaagac	aaaccccaat	120
gaatggctga	tatgagtgtc	aaatgcctga	agattcaact	taactagaaa	tcactccctt	180
agaccctgct	tacatctaga	ccttgatat	catacctcaa	agatgaaatt	cataaaactt	240
atctgaagag	tttaatttaa	aattataatg	ctcaatgcac	atcttttgca	cttgagttga	300
aactaacatc	actacctaaa	gagccttcta	cttcwatatc	tgctgcataa	tacgttcagt	360
mattctaccc	ccatcccta					379

<210> 12165

<211> 125

<212> DNA

<213> Homo sapiens

<400> 12165

aacttagata	cactagtttg	tttaaaatta	tagatttact	gtacatgact	tgtaatatat	60
tataatttgt	atttgtaaag	agatgggtcta	tattttgtaa	ttactgtatt	gtatttgaac	120
tcgag						125

<210> 12166

<211> 185

<212> DNA

<213> Homo sapiens

<400> 12166

tgaaacgaat	gccaaaggcaa	cctaaaatta	taggaattca	ctacacaaat	aaaccacatt	60
gcagatagaa	atattttgga	tattgtgagc	cagggttctc	attattgaag	aagagagtta	120
caagtgtaga	aagtgggaag	gcagctgggt	gcaatgggtc	acacctgtaa	tcccagcact	180
ttggg						185

<210> 12167

<211> 382

<212> DNA

<213> Homo sapiens

<400> 12167

tagtatatgg	ctgtagttta	gcttttttagg	taaaaggat	gtttcattag	tgcatttctt	60
cctgctgac	actgtaaaca	tgtgaatcag	ctttccattt	cttatgcagg	tcattgataac	120
ttgtagagta	gagtacaatc	atttgtgcta	tgtttttaat	tttctaaagc	accttgatga	180
cagtgagtgt	ccagtgggtga	agcatcctct	attgaaccrc	cctcaaaaaat	ttttttgccca	240
agtcctaagt	tgatagctta	aagtaaaaag	tgaaaattat	agtttcatta	ggacttggtg	300
taaagaaatc	ccctcccccc	ttccccaaag	ggatactgca	gttatatcac	ataccaata	360
ggcaccacga	tgmagatcag	ag				382

<210> 12168

<211> 660

<212> DNA

<213> Homo sapiens

<400> 12168

cactattaaa	agagtattaa	tttaaccaga	gacttccaaa	gcaatacaga	aacttacatg	60
gatataaaaa	ccctaaccct	tttaaagggtc	agatttgcta	agtgatcaaa	aggggtactt	120

gaattgaatc	gacacaggaa	gagtgtgtac	agggttatga	gtgtaggcag	gtgggttactt	180
tggtcatatc	tccatttgcc	acctgattac	acatgagaat	ggcatcttta	ctcaccagaa	240
agccagtatt	ataggaggtg	taggagggcat	tcttggactt	gagacaagaa	cattgtttgtg	300
tagaaatttc	attgactgtg	ttaaaattat	tctccatggg	ctggragamc	amataacatg	360
gccttttagaa	tgagacgggc	attgakngga	tgcaaggctc	ccacacttac	tagctgtgtg	420
acattggaca	gagtgttca	tcattccgag	actcagtttt	taaaggaaaa	acaactaact	480
accttgcaag	cttgctagca	ggtttaagtg	taataatgtg	tgggaatgac	tgcaccgtga	540
ctaacatgca	gtgacagctt	aattaaatgn	gaacccttat	cattatcata	taagaatgtg	600
rgttacatar	rgaggagtct	gtcagttcgt	tctctgtctg	gtccccaaga	ccatgaatca	660

<210> 12169

<211> 380

<212> DNA

<213> Homo sapiens

<400> 12169

cgaatagcac	cctacctgtg	gggtgtttggg	ggctggacaa	tttgggtggc	agtgtttggg	60
actgaagttg	ggctctaaga	atgaggggaa	agagcctggg	gaggagctta	aaactcaacc	120
actctggaat	ttacccatag	aagacgggaa	gaaagaggta	tgaagatggg	ctcaattatg	180
agccagggag	gattgaaact	aggtcctgcc	tttctgtatc	ttggggaaat	aagaccgatc	240
tcttgacccc	attgggaaca	cggaagtcta	ttccaggcca	accagcccaa	aattatttca	300
tcttgtattc	tttgtaaaat	tctccctcac	sccaccctgc	ttttaaaaaat	tctaattctat	360
cccctctaac	catagcnnc					380

<210> 12170

<211> 134

<212> DNA

<213> Homo sapiens

<400> 12170

ttcttctttc	attgaccctt	atcatatggt	tcctacactc	aaaattatct	cccctacctt	60
tattccatca	gttagagatt	caccgattca	tttaacagca	agcgctttct	ctcgtcacct	120
tcctcccgcc	accc					134

<210> 12171

<211> 248

<212> DNA

<213> Homo sapiens

<400> 12171

ttaggcagtt	tgtaagattc	ctcctaactt	tcacagtcga	tgacaagatt	gtctttttat	60
ctgatatttt	gaaggggtata	ttgctttgaa	gtaagtctca	ataaggcaat	atatttttagg	120
gcacatcttt	tcttatctct	gacagtgttc	ttaaaattat	ttgaatatca	taagagcctt	180
gggtgtctgtc	ctaattcctt	tctcactcac	cgatgtctgaa	taccagttg	aatcaaactg	240
tcaacctta						248

<210> 12172

<211> 332

<212> DNA

<213> Homo sapiens

<400> 12172

cttttcctag	agagttaatt	cagttcgggtg	agttcagtga	gcagtatggg	ctgagagagc	60
cctcaaaatt	caacgtagca	ctggctctcc	cagcagcagg	cattgttcag	gtgagacaga	120

atggttgcc	gaggaagtag	tgtgctggg	aactgcaggg	attaaggtca	tcctcttcca	180
gattttcatt	aagtctgaaa	tgctctcctt	ggctccacaa	gagatcctct	tgctattcct	240
actgtggtgt	acggacagct	tatggtttac	ttcttacagt	ttcctgtttc	agataagggg	300
aagcatggcc	aagatggttc	tgtgagtcag	gc			332

<210> 12173

<211> 236

<212> DNA

<213> Homo sapiens

<400> 12173

gaacattcga	ccagcttctc	agttgtagtt	tgtgtatggt	ctttataact	cacacttaga	60
gccatgggga	gaccataacc	gataagcagg	ccagcagttg	ctggctgcac	attgctgtca	120
ctgccgcggc	agtacagaaa	ccatctgctt	atactctgaa	taaaattcaa	gaaagcatag	180
attctacata	aacaggccca	agattacatg	gcaaactgag	atgaagagga	tgctgg	236

<210> 12174

<211> 445

<212> DNA

<213> Homo sapiens

<400> 12174

agatttgcca	tgagtgtctc	aatgaagacg	tgataatgtg	ggctctagtc	acaggggtcta	60
actcagacat	ggaaaaaagt	ccattttcatt	aatctttatc	ggcacttgaa	ttcctggcta	120
agggagaatg	tggaacattg	aaggactctc	tggggaatagg	atggagttat	accagattag	180
ggggacttaa	atactgtggt	agctggtggt	agaagggagg	actgagtgac	cccttgaacc	240
cctcctccct	gctacagtgg	gttaggcagt	gagcgggtaca	tcagcattac	tgccatggga	300
gtctggcgca	ttgccaaagga	ggtgtaaaagg	ggaaatgcaa	aggaattgaa	gtggtgtggg	360
caaagtgaat	gccagtgcct	gttaatatggt	ctagtgggtat	ctgtattttc	atgatcatgt	420
gtgtcacctg	tttggggggtg	gggca				445

<210> 12175

<211> 201

<212> DNA

<213> Homo sapiens

<400> 12175

gcaaaacaac	aaatcaggaa	aaaaaataat	ttttgcttca	gtcatacctta	tttatatggt	60
atgcaacaag	taatagattt	ttattaaaaat	tcaattatca	tgaatgggta	taaaggagac	120
tttcattatg	aaaagctag	tttaatatct	gaatatctta	ggaagtttaa	gttcaaccag	180
ctaatagcaa	aaatggccaa	c				201

<210> 12176

<211> 346

<212> DNA

<213> Homo sapiens

<400> 12176

caatcctttt	agaaaacctt	tatactaagc	ctcctcttca	aaattcacag	tggcgattag	60
cggactggag	tctggtggcg	attagcggac	tggagtctgg	ggacatccgt	ggcaaagaca	120
ccagctcaac	tttagtgstt	nccsamcttt	atcttagaatg	acwtkggggtg	ggtgtctggt	180
gtgtgtgttt	tcctacgca	cctcccatag	ctattaacaa	ctgaggaagg	ccagtgcaga	240
atatttttgg	agaacgattt	ttttttttta	aataatatat	cattcctatg	gggggaaagc	300
cttttttttc	tttttggtctg	agttattccc	tcctccctcc	caatac		346

<210> 12177
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 12177
 ataagcccct ctcagcgctc tctctccatc tctcccctct ctttctctct cgtgctccc 60
 ttcttccttg taactgaaca gtgaaaattc acattgtgga tccgctaaca ggcacagatg 120
 tcatgtgaaa acgcacatgc tctgccatcc acaccgcctt tctttctttt ctttctgttt 180
 ccttttttcc cccttggtcc ttctccctct tctttgtaac taacaaaacc accaccaact 240
 cctcctcctg ctgctgcmct tcctcctcct cctcagtcca 280

<210> 12178
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 12178
 gacgccaggg ggcggggcca gcggcgcggg crggtgagag gccgcggcgg cagggtccacc 60
 tgggcttgcg aaggcacaga ttccccgtcc acagctcacg accagatgca ccagcaggag 120
 tccacatcga ggacgtcctc cgggcactcc caccgaccgt gaccaggagt taaactttgg 180
 gatgtgcccg tgatgttgga ccacaaggac ttagaggccg aaatccaccc cttgaaaaat 240
 gaagaaagaa aatcgca 257

<210> 12179
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 12179
 gaattgctgt caaatgccca gcgtgttctt ggtggtgaca cagccacatt gtgtaaatac 60
 atttcttaag tcatttgtgt gtatagcagc tggatttgga gacaagcatt tgggcacact 120
 cgctacaaga ttggttagtg attatggatg atgaagtctg tcggaaaatt cagatcttga 180
 ttgtccacct gggcttgca aggcacagat tccccgtcca cagctcaacg aaccagatgc 240
 accagcagga gtccacatcg aggacgtcct ccgggcactc ccacgaccag tgaccaggag 300
 ttaaactttg ggatgtgccc gtgatgttg accacaagga cttagaggcc gaaatccac 359

<210> 12180
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 12180
 gtgacttcgg cctccggggc gctggcgggc ggggcggggg ctgtagttag cggcgagagt 60
 gacaggagga caggggttgt ttccggcagt acgcctgggg agtgacgcaa ttgcaccctt 120
 gtgcagtgat gtcacggcag gtgcggccag cgttccgagt cgaggacagt tggcgacact 180
 gaaaattcag cgtctccggg agtctctctc tttgtagtct ttgcccaggg ccttgccagg 240
 caaagggtag cccgacgacc agcagcctcc gctacttctg ggcgctcgct agaaatacag 300
 attctcgggc cccaccccca cctacttggt cggatatctg gatctgt 347

<210> 12181
 <211> 167
 <212> DNA

<213> Homo sapiens

<400> 12181

cgaattgttg	attctgttta	aatgaccaat	actttttgaa	attgatgtac	ttagtttcaa	60
gattcataga	ttctgtttatc	tatgtagaca	gaatgggtcat	gtatatatttc	tatnagttga	120
gtttttacat	cttttagaaat	gtaaaattca	gtatagtttg	aaagcgg		167

<210> 12182

<211> 505

<212> DNA

<213> Homo sapiens

<400> 12182

agcggggcggc	cggccggaca	gactgacgtg	tgagctgcat	cgcgaggaggc	gcatggcggg	60
gatggcgctg	gcgcgggcct	ggaagcagat	gtcctgggttc	tactaccagt	acctgctggt	120
cacggcgctc	tacatgctgg	agccctggga	gcggacgggtg	ttcaattcca	tgctgggttc	180
cattgtgggg	atggcactat	acacaggata	cgtcttcatg	ccccagcaca	tcatggcgtat	240
attgcactac	tttgaaatcg	tacaatgacc	aagatgcgac	caggatcaga	ggttccttgg	300
ggaagaccca	ccctacgaag	ttggaatgag	accatcagat	gtgataagaa	actcttctag	360
atgtcaacat	aaccaacctt	ataaagacta	aaattcatga	gtagaacagg	aaaatcatcc	420
tgactcatgt	gttgtgttct	ttatttttaa	ttttcaaaga	ggctcttgta	tagcagtttt	480
tgtctatttt	aacattgtag	tcatt				505

<210> 12183

<211> 415

<212> DNA

<213> Homo sapiens

<400> 12183

agtaaattctc	tcgagagttc	tctccgcacg	cgggctggag	aagcgggtcc	tacgcacgct	60
ttgttgctgc	gctttgecte	cgtecttccc	cctactcccg	ccttacctga	cttccttttc	120
ggaggaagat	ccttgagcag	ccgacgttgg	gacaaaggat	ttggagaaac	ccagggctaa	180
agtcacgttt	ttcctccttt	aagacttacc	tcaacacttc	actccatggc	agttcccagag	240
acccgccta	accacactat	ttatatcaac	aacctcaatg	agaagatcaa	gaaggatgag	300
ctaaaaaagt	ccctgtacgc	catcttctcc	cagtttgccc	agatcctgga	tatcctggta	360
tcacggagct	gaagatgagg	ggccaggcct	ttgtcatctt	caaggaggtc	agcag	415

<210> 12184

<211> 343

<212> DNA

<213> Homo sapiens

<400> 12184

agtaaattctc	tcgagagttc	tctccgcacg	cgggctggag	aagcgggtcc	tacgcacgct	60
ttgttgctgc	gctttgecte	cgtecttccc	cctactcccg	ccttacctga	cttccttttc	120
ggaggaagat	ccttgagcag	ccgacgttgg	gacaaaggat	ttggagaaac	ccagggctaa	180
agtcacgttt	ttcctccttt	aagacttacc	tcaacacttc	actccatggc	agtwcccagag	240
acccgccta	accacactat	ttatatcaac	aacctcaatg	agaagatcaa	gaaggatggt	300
gagttctcgg	gatagtccgg	agtccagact	gtcccgcacg	ggc		343

<210> 12185

<211> 160

<212> DNA

<213> Homo sapiens

<400> 12185
actttgtttg cattttttatt atccctgagt acatatggat tccatgaaat aaaattcatg 60
tgtcacagca ggagtgaaca tattcaagta tctcagtga tataaccaa taactttcca 120
gaaaagctac accagttaca cttaacaccc gcagtgtatg 160

<210> 12186
<211> 234
<212> DNA
<213> Homo sapiens

<400> 12186
actgcggcgc ccagccgggc accgcctgcc ggctgcagac gcctgcgagc aggttggttt 60
tataagaggc gtcattggcg cccgagctgt gaccgcccgc actggggcag ccagcacaat 120
cgggcgaggg tggcgctgcc ccttcagacc tgaaagatgt ctgaaaattc cagtgcacagt 180
gattcatctt gtgggtggac tgtcatcagt catgaggggt cagatataga aatg 234

<210> 12187
<211> 226
<212> DNA
<213> Homo sapiens

<400> 12187
aattttaatt tagtcgwgcg tcattttwctg attctcatca ttgggagatc ttaaattctta 60
gcaagcatta gcaatattaa atgccamaat tccattgaaa ctttcaagtt ggagcaattg 120
tctgtgtttg aaaagatgaa ataaaaataa taatcaaggg caaagctttg agtgcccaga 180
agggaaagct gtaccagttg ctaacctgtc ttgtttcagg agccac 226

<210> 12188
<211> 267
<212> DNA
<213> Homo sapiens

<400> 12188
agattttcag taccacaaaa ttgttttggg ttttttttct ttctcttcca cataccaggg 60
ttattaaaag tgtgcntttc kttttacatt atattacagt tacaaggtaa aattcctcaa 120
ctgctattta tttattccag cccagtacta taaagaacgt ttcaccataa tgacctcca 180
gagctgggaa acctaccaca agatctaaag ttctggctgt ccattaacct ccaactatgg 240
tctttatttc ttgtggtaat atgatgt 267

<210> 12189
<211> 446
<212> DNA
<213> Homo sapiens

<400> 12189
agtgcgctcg gccggcaacc gagggaccgc cgtccagatc ttcagtgtct attggatttt 60
tccaagagaa agtttgtaaa attccttaca ctgtagatgt ggatcagata cgatgattca 120
gtagaagagc acatgtcagg ggcagtggag gctggctgct gaaggatgaa cggagaggaa 180
gaattcttcc gggggaaggg gtgactgaac tgggagtcca gggagggagc tgaggagccc 240
ttacctccc accactcccc tcccagacc cagccgccgc cgttgagggc tgagtccttg 300
ctgtgggatg tgccagtgtc cccaccaaca ccaggaattt agaccttttc cctgcaccac 360
tctcttcac ctaggggtctc tgttacacta atttgaataa actctccctt ttctttgcaa 420
cttcccagca acaataatga ttttct 446

<210> 12190
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 12190
 cccattcctc aatttttaat tccctaagtt aatttgaaaa ttctcttcaa tattcctctt 60
 aacgtatgac att 73

<210> 12191
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 12191
 attgtctttc taaaattctg aaacactttt gggcacatgg gataagagat tgtgaacttg 60
 tagaaatcat tccatatcaa tacataaaga gcttttacac t 101

<210> 12192
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 12192
 acttcgggcg gcgcgggagg cgcccagcka gccagagtgg tggttggtcc cgcgcgaaaa 60
 ttctgagctg tacacctcta ggaaangaaa cactagttca gaagaagcct gtaaactctc 120
 ttacaaatac atttggttat tcaccatgag gttagcaaag cctaaagcgg gtatttctcg 180
 gagctcaagc cggaaaggcc tatgagaaca agcaaacagg ccggcagcgg cagaagtggg 240
 gc 242

<210> 12193
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 12193
 acatccgggt accgactcca gccgcctaga cgctggcact atgggtcatgg cggagggggac 60
 ggcagtgctg aggcggaaca ggccggggcac caaggcgcag gatttctata attggcctga 120
 tgaatccttt gatgaaatgg acagtacact agctgttcaa cagtatatcc aacagaacat 180
 aagagcagat tgctccaata ttgacaaaat tcttgaacct tatgagagat gtactgaggt 240
 cctgctatat gccaaagcaac ctgctggcca ctccacaagc tgggttgatt aaagcaagat 300
 ctctgctgtc gaggaactca cctctttag tagtaaatata ctttaatccc ttgaaattga 360
 tgcattgcaac aacaaacata ctttatggaa aagatcctct atgaggactg actcttgg 418

<210> 12194
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 12194
 aaataatcct tgtgtaatca ttatttttta aacaacagac aattcaaatt tgaaggacat 60
 tttgcaaaat tcttgactag tcttctcac aactgtcaag gtcattgaaaa acaaggaaca 120
 ctaagaaaca gtcacakact agagaaggct aagga 155

<210> 12195
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 12195
 tatggagaag gttacattga aaaaagtcta gacaaactga aaggcaataa atcctatgtg 60
 aacatggacc tctctccggt ggtagagtgc atggaccacg ctctaacaag tctcttccct 120
 aagactcatt atgccgctgg aaaagagcca aaattttctg gatacctctg tctcacatgc 180
 cagcagcttt gcaagacttt ttattgttga aacagaaagc agagctggct aatcccaagg 240
 cagtgtgact cagctaacca aaatgtctcc tccaggctat gaaattggcc gatttcaaga 300
 acacatctcc ttttcaaccc cattccttat ctgctccaac ctggactcat ttagatcgtg 360
 cttatttggg ttgcaaaagg gagtcccanc atcgctggtg gta 403

<210> 12196
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 12196
 gagagaaagg cttccggtta tgcaggaagg aaattgacga acacgtgacg cggtcgggcg 60
 gaccactgca gactgagcgg tggaccgaat tgggaccgct ggcttataag cgatcatggt 120
 tctccagtat tacctcaacg agcagggaga tcgagtctat acgctgaaga aatttgacct 180
 gatgggacaa cagacctgct cagcccatcc tgctcggttc tccccagatg acaaatactc 240
 tcgacaccga atcaccatca agaaacgctt caaggtgctc atgaccagc aaccgcgccc 300
 tgtcctctga gggtccttta aactgatgtc ttttctgcc a cctgttacct ctcgagact 360
 ccgtaaccaa actcttcgga ctgtgagccc tgatgccttt ttgccagcca tactctttgg 420
 catccagtct ctctgtggcg ttgattatgc ttgtgtgagg caatcatggt ggcacaccc 480
 ataaagg 487

<210> 12197
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 12197
 gagagaaagg cttccggtta tgcaggaagg aaattgacga acacgtgacg cggtcgggcg 60
 gaccactgca gactgagcgg tggaccgaat tgggaccgct ggcttataag cgatcatggt 120
 tctccagtat tacctcaacg agcagggaga tcgagtctat acgctgaaga aatttgacct 180
 gatgggacaa cagacctgct cagcccatcc tgctcggttc tccccagatg acaaatactc 240
 tcgacaccga atcaccatca agaaacgctt caaggtgctc atgaccagc aaccgcgctg 300
 gcggggccggg ggtgcatgcc tgtaatccca gtactgtggg aggctgagat nggtggatca 360
 cctgaggtcg ggagtttgag accaagcctg gtcaacatgg tgaaactcca tctctactaa 420
 aatwcaaaa at 432

<210> 12198
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 12198
 atcaagggtg aagcatggtg gctagcggag ccgcatcctg acaggaaatc cagttatcaa 60
 aattgactca agaagagaga acctaacaga acaataacaa tggaagaaat tgggaacatt 120

atcacaaagc tatcatcctg ccaaactcca ggctcagatg tcacagagtc tcgctgtgtc 180
gcccaggctg gagagcgggtg gcgtgggtctt gactcactgg aa 222

<210> 12199
<211> 268
<212> DNA
<213> Homo sapiens

<400> 12199
aggcacctca cagaggagtc tgggtacctc atttctgaag tgagactagg aagagaagat 60
gaacaattcc ctggattatc tggcctaccc tgttatcgtc tctaatacaca ggcaaagcac 120
aaccttcaga aagaaactgg actttggcca ctacgtatct cacaagaata gaatacaaat 180
agcgaascta ctgttgatac caaacctcca gtggcgcaca caaatcacat tttaaaattg 240
agcaaactac aggggtgaaca aaagaaaa 268

<210> 12200
<211> 312
<212> DNA
<213> Homo sapiens

<400> 12200
tgattatttca ttaggattta gtaaaatttt tttttctgat tctaaactta ttgtgaaaat 60
tgagctgtac agatattcct ttgatttcaa ttgggaacat ttggaagaac aacagtcttk 120
acttgccctga caatwtagag mcatatgnmw nagtcataac agttttcaac ttgttcttgt 180
ttctgtttaa ctatattcct agaaacatag tttgaacaac ttgggtctttg ttaggcttgt 240
caaattgcct tcatggaaaa ataattctaca aaagtatggg ttaattgatt gtcttacatg 300
ataattttcc ct 312

<210> 12201
<211> 325
<212> DNA
<213> Homo sapiens

<400> 12201
ctgaagaata atatcactat tgactgaaac atataatgtc cttagcgaat agcttgctcag 60
gactaatata atcaaataca aaattgatac aaggaatcat gaccctacat ctcaaacacc 120
actctgggct tctgccaccc agaggaaagt aattaattaa ttccagctgg agaattgtctt 180
cttgtctgta attaacaata tgtgcaccta ccacattata atcctccact gtgctgagga 240
agtacaagggt gattagtga ggcaaattgc aaacacacct cttgggttgct tcttcttcca 300
cctcaaactc tctcatcctc ccacc 325

<210> 12202
<211> 132
<212> DNA
<213> Homo sapiens

<400> 12202
tgtttgtgaa aagtgtgctc aactttttta caagagtgat attaaacttg atttattttt 60
caatataatt tggagaccct ttgttatcca aataaaattg atgagtttct gtgcctgtaa 120
aaaaaaaaaa aa 132

<210> 12203
<211> 529
<212> DNA

<213> Homo sapiens

<400> 12203

tagcagaact	agtagtacta	gtagtactgt	ctctagctct	tcatacagtt	ctagctcagg	60
tagtagtcgt	acttcttctc	ggtcttcttc	tcctaaaagg	aaaaagagac	acagtaggag	120
tagatctcca	acaatcaarg	ctagacgtag	caggagtaga	agctattctc	gcagaattaa	180
aatngagagc	aatagggcta	gggtaaagat	tagagataga	aggagatcta	atagaaatag	240
cattgaaaga	gaaagacgac	gaaatcggag	tccttcccg	gagagacgta	gaagtagaag	300
tcgctcaagg	gatagacgaa	ccaatcgtgc	cagtcgcagt	aggagtcgag	ataggcgtaa	360
aattgatgat	caacgtggaa	atcttagtgg	gaacagtcac	aagcataaag	gtgaggctaa	420
agaacaagag	aggaaaaagg	agaggagtcg	aagtatagat	aaagatagga	aaaagaaaga	480
caaasaaagg	gaacgtgaac	aggataaaaag	aaaagagaaa	caaaaaagg		529

<210> 12204

<211> 283

<212> DNA

<213> Homo sapiens

<400> 12204

tacttggggt	tttytggttt	tgtgaaacgg	ccgtcccaaa	rctggctkga	ttcctagaag	60
agtctgtgtt	gaaggcatct	ttcaagccct	cgctctgggt	ctcagggcag	cattttccag	120
gcggtttgt	tttgcatctc	ttggagcctc	tccgagcagc	aaccagacgg	gagattttta	180
ttttaagctg	ttcatgctgg	gactgacagc	ctgcagggtt	tccttggggc	cggcccaaaa	240
attgccttca	aaacaaaccc	gggacgggtg	aaagccttcg	aac		283

<210> 12205

<211> 446

<212> DNA

<213> Homo sapiens

<400> 12205

aaggatataa	grttgcgtgg	gttctgccta	aagctgaatt	cccagcgctt	tggcttctct	60
gagttggggg	tgtgtatagg	ggtcttcgaa	cagttccgga	accagccagc	agcctttaat	120
tcttggggcg	accacggccg	gttctgatat	cttaggggtg	agagagggag	gtgtcggcca	180
gccaagagag	aarattgcgg	atcttgggct	caggaagacg	ggagaagggg	ttcgggggtc	240
cggggtggaa	gaacggctgt	cgtgggttgc	cttatagaag	taggagcagg	tgggtggatct	300
taggaaaacg	gttccccgtt	ctccaagctg	ttctgaagac	atztatgttt	cttctcttga	360
tctgatttct	agctctgtgc	tataccgtgg	nctggaatag	ttcaatgttt	tcattttcat	420
tgagcgtaaa	agtggagatg	ttaatt				446

<210> 12206

<211> 426

<212> DNA

<213> Homo sapiens

<400> 12206

atthttgactc	cagtgctctg	tttgacgtcg	gcgcttttagg	ggaactgtct	tcctccgcag	60
cgcgaggctg	ggtacagggt	ctattgtctg	tgggtgactc	cgtacttttg	tctgaggcct	120
tcgggagctt	ccccgaggca	gttagcagar	gccgcagcgg	ccgccccgcg	ccgtctctct	180
tgtccctggg	cccgggaggg	accaacttgg	cgtcacgccc	ctcagcggtc	gccactctct	240
tctctgttgt	tgggtccgca	tcgtattccc	ggaatcagac	ggtgccccat	agatggcctk	300
btttcccccg	agggtcacag	agaaagagat	cggtagggat	tgggracgtg	ggtgggcgca	360
tgaggggcca	kgagaggcag	ggactccccg	gavgaggttt	gggaggaagc	gactccaagt	420
ctgagg						426

<210> 12207
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 12207
 gaaactagac agtgtgttct aaataactaac cctcataata ccctgaataa tacagttagt 60
 atgttaaaaa ttaattaaaa gaatggatcat cacaactttg aattccatgg tacactttcc 120
 acaaatgctt ctgtttgtac catgttgatt agtaatgtga ccctttcttt cccatgttta 180
 gtgatttaga atctagaaga gaagtaaaaa aagaagaagg tgaagctttt gcacgagaac 240
 atggactcat cttcatggaa acgtctgcta agactgcttc caatgtagaa gaggcattta 300
 ttaatacagc aaaagaaatt tatgaaaaaa ttcaagaagg agtctttgac attaataatg 360
 agncaaattg cattaaaatt ggccctcagc atgctgctac caatgcaaca catgcaggca 420
 atcagggagg acagcaggct gggggcggct gctgttgagt ctgtttttac tgtctagctg 480
 cccaacgggg cctactcact tattctttca 510

<210> 12208
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 12208
 aacgccacgg gacagccaag ctagaagcct gaggagccgg agaggggtgct ggctgccgcg 60
 cgcccgagtg tgtwttatgg accatgtgct gctatgtatg cctgaagaag tacttgaaat 120
 gcaaatttgg ggagactttg ccatataaat gcttggtgctg attaagcgcc taattaggat 180
 gggtttttcaa caagttggag taagcatgca atcggtactt tggctctagga agccatatgg 240
 ttcgtctcga agtatcgtaa ggaaaattgg tactaatttg tctctgattc agtgtccaag 300
 agtttcagttt cagattaaca gccatgcaac agaattggagt ccagccamcc aggagaggrt 360
 gcagtggcgt cttttgctga tgttggtatgg gtagccaaag aagaaggaga gtgttcagca 420
 ag 422

<210> 12209
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 12209
 tttccatagt attaagtatg tctttggccc acttgtagtt tctcaagaaa gcatgttgat 60
 acggacagcc cctactctca tatatggtgt attgacctta ggcaagagat gtggtttctc 120
 tgagctccag atatgtcatc tataaaattg gtgttaacac cgtttatctc ataggggtgct 180
 aagaagatta aagtactgcc cagagtaggc actcagtcaa gttctctttc ctctctctgat 240
 acctaccc 248

<210> 12210
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 12210
 acattactgt gttctgagaa gttataaatt tgccatctcc ctctgcacaa gttacctttg 60
 tgtgtctttc ctgaagacta tcttcccgtc tcaaaatgga catgatggat ccacggatgt 120
 acagcagaga gccaggaggt ccaaccgccc tagacaggaa ggaattaaaa ttgtcctgga 180
 agacatcttt actttatgg 199

<210> 12211
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 12211
 tctacaattt tttaaatgta ctgaaattat tctttttgaa tcttcttatt tatttctgtg 60
 acttcttttg tgacaaagtt agaaaaaagt ggaggtcagt agggagatat gaagggacgc 120
 aggtggaagc agtkagcctg ggcgggtgat ggagtgggcg atacgtggca cag 173

<210> 12212
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 12212
 tccatggttt ccacattata gcagaaaatt tacttagtct tgtatcttcc tctctcgcct 60
 gtatgcctgg taggatgtta tttaaaattt gatttcttcc ctctgtctg cttcttttag 120
 tagaatgtta tttataatta aacactttta taagctacag agttattttt gacttgacat 180
 tttgaattat gccacttggg tcagttctag tatctgtttt gtttttggtt ttttcctaatt 240
 tgagtcaagg tctcactgcc taggctgcag tgcagtggca caatctctgc ttactgcaac 300
 ctccgcctcc cgggctcaag cagtcctccc acctcagtct cccaagtagc tgggactaca 360
 ggcgtgcacc accacagtca gctaattttt tttttttttw waatggagtt tcgctcttgt 420
 tggccaggct gga 433

<210> 12213
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 12213
 gttttaattt acttagagct gtattcaagt tgtttgatac cagacagaaa gctgacagtc 60
 tgttctttgt aaactgcctt tccctgtttt tctgttttgt tttgtttctc aagtttcatt 120
 ttttactaag ccccttctga cacctaggca gataaagata agagtagtgc gcagtacaaa 180
 tgtcagctct gaagaggagg aagtaaatct tcaatgctag ggcagatctt cactatccgt 240
 gatccagtct taatttgagc atgagagcaa aatttagtca tctacacaag aagcaaaagc 300
 aaggaatagt tgttgggttt ttgttttttg gttgttggtt tttttt 346

<210> 12214
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 12214
 caaactgacc tgggtaatta acctttctga tytactctag ctacaagccc ataattcaaa 60
 gtatcttaag ccaaaattta gtgtagagtt ggcaaataaa tatcacatat gcagcccttc 120
 ctcttccca tgctcgtggc agactacgct attttctgcc atgtccagac acagctcctt 180
 gatacagcac tctaagcca 199

<210> 12215
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 12215
 attcgagtag cggctcttcc aagctcaaag aagcagaggc cgctgttcgt ttccttttagg 60
 tctttccact aaagtcggag tatcttcttc caaaatttca cgtcttggtg gccgttccaa 120
 ggagcgcgag gtcgggatgg atcttgaagg ggaccgcaat ggaggagcaa agaagaagaa 180
 cttttttaaa ctgaacaata aaagtgaata agataagaag gaaaagaaac caactgtcag 240
 tgtattttca atgtttcgt attcaaattg gcttgacaag ttg 283

<210> 12216
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 12216
 actgcgaggc aggcagtgat gctgcggccg cttcgactg tggctcctgc cgaccgccag 60
 ggcgtgttac agtggatgcg aactaaccgt aagtatgcag cagcagccgg aaccacagt 120
 tcaccttggt gcattccttt atgatgaaga cknattgatt cattatatga gaaaggaaaa 180
 atgagcagra aactactgwa tgatggtgma gctcacaccr gacagcaact ttagtctnac 240
 tctgtcacct ggctggagtt tagtgacacg atcttagctc cctgcaamct ctgcctcctg 300
 agttcaagtg attctcttac ctcagcctcc tgagtagcyg gaattacagg tacamcacca 360
 ccacgccag ctaatttttg tatttttagc aragacagcg tttcgscsat gtwgggcntc 420
 taawyycttg amcttgtgat ccaccgcg 448

<210> 12217
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 12217
 atccagatgt ataagtacta ggcagaagcc aatttttaaaa tttccttgaa taatccatga 60
 aaggaataat tcaaatacag ataaacagag ttggcagtat attatagtga taattttgta 120
 ttttcacaaa aaaaaagtta aactcttctt ttctttttat tataatgacc 170

<210> 12218
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 12218
 ataataaac aaaatttcta gtgtatacag tgtatcatto acaatgtcca ggatgtagtc 60
 caaagtgtgt agacatatga agaaacagga aaatataact catgctaaag aaaaaagata 120
 ttcagtgaac ccag 134

<210> 12219
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 12219
 tcagaaaaat taggatgtga ttttggttgg ttttaaatta ctgtaagttt tagattctaa 60
 ggttcaagat ttttaaaatt tgatttaaat gaaganatgg atttttctct ctgcccctcc 120
 ctgccattca tattttctgc ataacactat taataatctc aacctccaca gcccttatt 180
 ttattatttc caataattcc aagttcatat agaactgata atgtagcaag ccc 233

<210> 12220
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 12220
 attwwwwtcc tggtttgggg gcaaggtctc atgggaaagg tcatgtctct cgaagaaagg 60
 ttataaaccg tgagatatga gggttgggag agacatccga gcctgtttcg ttccgtgttg 120
 ggaccaggaa taaccctgac ttctgagctt tcataacccc aggatcctcc agaaaatttg 180
 cggcgcgctg agggaaaaac cttgctggca agtcgggact gtgtggcagc ggctattttt 240
 cttttccac ccagcacgtt ttcgggctgg ggacataggg ttcagttgag atacggaggc 300
 ttccttcggg atattgggtt ctctgaagtg cggatggact agggcagggc tgagacc 358

<210> 12221
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 12221
 attwwwwtcc tggtttgggg gcaaggtctc atgggaaagg tcatgtctct cgaagaaagg 60
 ttataaaccg tgagatatga gggttgggag agacatccga gcctgtttcg ttccgtgttg 120
 ggaccaggaa taaccctgac ttctgagctt tcataacccc aggatcctcc agaaaatttg 180
 cggcgcgctg agggaaaaac ttgcygaagc tgtacatttg aatgcgttta cagtcattgt 240
 aatggaagca aaatacatga aggaaaaact gttatttgta tccctgctta ttgcacctga 300
 cgactagtgg cagatgggtt tgtttacctg agaaaacttg tgatataaat gaaaaaaca 360
 cctgttttcc tagagtcann ngttacaaat atgcttcgtc taagagctat ttgtccattc 420
 tcttgagag tgtttcaatt tcgac 445

<210> 12222
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 12222
 aagcattgga tgtggccaat cggctagaag tgattcctaa aatttggaag gatagtaaag 60
 aatatggtca tactttccgc agtgacctga gagaagagat cctgatgctc atggcaaggg 120
 acaagcacc accagagctt cagggtggcat ttgctgactg tgctgctgat atcaaatctg 180
 cgtatgaaag cca 193

<210> 12223
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 12223
 aactaactac atgtcatctt agaacaggct gcttcatagt ttatagtgga acagtttcca 60
 tattctaaaa aattagaaaa gcttttgata aaagagaact agaaaatttg tcagtaggct 120
 atattaaaag acatccttct tggactctta ctgcaataat tgctttggct tttgaatata 180
 ctgcattcag aagctaaatc ttccccg 207

<210> 12224
 <211> 350
 <212> DNA
 <213> Homo sapiens

004220"6667550

<400> 12224

gtttccactc	tcgctytect	ttcgttgcct	gatcgccgcc	atcatgggtc	gcatgcatgc	60
tcccgggaag	ggcctgtccc	agtcggcttt	accctatcga	cgcagcgtcc	ccacttggtt	120
gaagttgaca	tctgacgacg	tgaaggagca	gatttacaaa	ctggccaaga	agggccttac	180
tccttcacag	atcgggtgtaa	tcctgagaga	ttcacatggt	gttgcacaag	tacgttttgt	240
gacaggcaat	aaaattttta	gaattctagg	tcaaactctga	gaaaaggggt	kgggaacagg	300
aaggttagaa	gaacattcac	agggrgttta	gcaacagcag	aaaacatagt		350

<210> 12225

<211> 460

<212> DNA

<213> Homo sapiens

<400> 12225

gtttccactc	tcgctytect	ttcgttgcct	gatcgccgcc	atcatgggtc	gcatgcatgc	60
tcccgggaag	ggcctgtccc	agtcggcttt	accctatcga	cgcagcgtcc	ccactgtaag	120
tagcgcgtg	ggaccgggga	gaatccgggg	garggggggt	ggcatttgtc	tcgggtgaag	180
cgacgccagg	gtgaggaact	tgcgtgtatg	aggagcgcgg	ttttgcggaa	ggagagaccg	240
ctgtttctgcg	gcgccattcc	tgggttctca	tcctaaggct	gctttctatt	ccataacagt	300
ggttgaagtt	gacatctgac	gacgtgaagg	agcagattta	caaactggcc	aagaagggcc	360
ttactccttc	acagatcggt	gagtgtttgt	gtctaacata	gcctatttcg	cctgtcctcg	420
tgtgacttgt	aggatctagt	aggtggtaaa	gttattttta			460

<210> 12226

<211> 447

<212> DNA

<213> Homo sapiens

<400> 12226

cttttttttc	gttgccctgat	cgccgccatc	atgggtcgca	tgcattgctc	cggaaggggc	60
ctgtcccagt	cggctttacc	ctatcgacgc	agcgtcccca	ctgtaagtag	cgcgctggga	120
ccggggagaa	tccgggggar	gggggttggc	atttgtctcg	ggtgaagcga	cgccaggggtg	180
aggaacttgc	gtgtatgagg	agcgcggttt	tgcggaagga	gagaccgctg	ttctgcggcg	240
ccattcctgg	gttctcatcc	taaggctgct	ttctattcca	taacagtggg	tgaagttgac	300
atctgacgac	gtgaaggagc	agattttaca	actggccaag	aagggcctta	ctccttcaca	360
gatcggtgag	tgtttgtgtc	taacatagcc	tatttcgcct	gtcctcgtgt	gacttgtagg	420
atctagtagg	tggtaaagtt	atttttaa				447

<210> 12227

<211> 280

<212> DNA

<213> Homo sapiens

<400> 12227

caattctcta	aaattcctat	attgtaactt	gccttttttt	aaaaaagtta	gatgctgata	60
taaagtctgc	ttaattgtca	acttaatgag	ctctattttg	tgtagttata	tctttatcca	120
ttcctctttt	atggacattt	aggttggttc	caacttggtg	ctattactgc	aacatatttt	180
tgtasrcagg	actttttcct	tctttcattt	ttgtttttct	ctgtataaag	gcccagcagt	240
gaattatatt	gggtcaaagg	atatagacgt	tttcatggcc			280

<210> 12228

<211> 185

<212> DNA

<213> Homo sapiens

<400> 12228

ctgctttatc	catgagaaat	agacttttaa	tgctaaaatt	ttaatatga	aatctacggg	60
tggggtatat	tttaggaacc	ccatatctgt	tctctgtgtc	tctgtgcgtg	cattgctttt	120
tcattttggc	tcctagactg	gggctcagct	tgagcttgca	cgttgctgct	gcctttaaaa	180
caccg						185

<210> 12229

<211> 404

<212> DNA

<213> Homo sapiens

<400> 12229

ccacctaaat	gcagtgaat	tgatttcac	caaactgccg	actggcta	cagtggccca	60
gttttccagc	catgtgatct	ggcatctggc	atctaccact	catcaratta	aattacacag	120
caccaataaa	ttaccacctc	atgactgggc	aaaacctttt	tccttaaact	ccttcctggt	180
taatacttgt	gcaatgttta	atagtggcac	agtttatcta	tacagggatg	tcaacaggaa	240
tgtatcaaaa	ttttaccaca	aatggagatt	tatgtatatg	caaattatac	atagacacac	300
acatatatgt	atagatatga	atatgtgtga	atgctttatt	ctattgatgt	gaattttcca	360
gatgcctaaa	gctaagtgtc	aatcaaaaat	ttttgttttg	tttt		404

<210> 12230

<211> 435

<212> DNA

<213> Homo sapiens

<400> 12230

atcttggttt	tgattttggt	ttggtgtaaa	ctgcaaaagt	gtgtgtgtgc	cctttttacc	60
tgttctttgt	tttgtgtgtg	gcggtgtgag	cgtggtgttt	tgtcttgaag	aagcatgggt	120
gagaaacaaa	taagcccacc	ctactaggaa	ctatattgaa	aattttcaag	aaaggatttg	180
aggagagatta	cggtgttact	atgacaccag	gaaatcttag	aactttgtgt	gaaatagacc	240
ggccagcatt	agaggtagg	tggccatcag	aaagaagctt	ggacacggcc	cttgtttcaa	300
aggtagcgca	caaagtaact	tgtaagccag	ggcaccacga	ccagtttctg	tacrtagaca	360
cttagtcaca	gctgggtttt	gacccttccc	cccaacagta	gttaagagag	acagaaagtc	420
aaagagagaa	gaaaa					435

<210> 12231

<211> 415

<212> DNA

<213> Homo sapiens

<400> 12231

atctgcggtt	tggagccggt	agcgggagag	gcagagatat	tcagaggtct	tttaggatgy	60
gctaaagggt	cgtgagggct	ctcttaaaat	tttcttcaca	agcgggttatc	cagtcgtgcc	120
ccgcggccct	gctgctggcc	ccggggatct	gagtcgtacc	ctcttggttt	tctctgagtc	180
agtcttaagg	tgaaatgaag	tgtggcccag	tggtcctca	ctgtcgtctc	tctagttttc	240
tgcctccttt	tagaaaattg	aattgraaga	caggatgaag	tggacacagc	atgtgaagac	300
aattcctttc	agaagtttgg	ctgnnaagga	maacagasaa	tgtgctaaag	aacatacaga	360
cacagagcag	acaggccacc	tttgcaacca	catggaggtt	tgtctgatat	tgaag	415

<210> 12232

<211> 565

<212> DNA

<213> Homo sapiens

<400> 12232

taacgcaact	ggtaattgca	gaatccactt	tgccctgtgta	agtgaaaaat	atagactggt	60
atcttgttgg	ccctatgaaa	ttctgcactt	ttcattatat	actctacctt	cattaattac	120
ttctggcaag	atgttctgcc	ttagcactca	gttgcatctt	tttccttttt	cttcctgttc	180
attatgcttt	aattctgagg	accatatgag	ggtagaatat	attatctttt	aaaaattaca	240
raaatttgta	taggcaaacc	atttcttaaa	gttgatggcc	aaattttaaa	atgttatattt	300
tcatatcatt	tataatcttg	tcacaatcca	cttaaagaag	tttggttata	tttcagtga	360
aattttcttc	cagagtaggt	tttttttcgt	gggttggggg	gtaactttac	tacaattagt	420
aagtatggtg	cagaatttca	tgcaaatgag	gagtgccagc	agtgtgataa	tttaaacata	480
tttaaacaaa	aacaaaaaaa	atgaatgcac	aaacttgctg	ctgcttagat	cactgcagct	540
tctaggaccc	ggtttctttt	actga				565

<210> 12233

<211> 429

<212> DNA

<213> Homo sapiens

<400> 12233

attaacaga	ggtctatttt	ggagtaacct	acaaaatttt	tacaaatggt	tagtaataaa	60
cacataagca	ttacagaaat	attttagcag	cctgctgttt	cttacagtca	ctagagctag	120
aaatttatct	tcccatgccc	ttgcaggaat	ttttggtgga	aaaaattata	aatcttgcta	180
gaacaatcta	aaaggcagtc	ttagctaagc	gtggtggctc	atgcctgtaa	tccgagcact	240
ttggaaggct	gaggtgggag	gatcacttga	ggccaggagt	ttgagaccag	cctggccaac	300
atagccagac	cccattgtcta	cagaaagaaa	aaagaaagaa	agaaaagaaa	tcctaataatc	360
ttttcatgaa	aactaaaaaa	gttaaattca	acaaagaact	acttaataag	acatttttat	420
agattagca						429

<210> 12234

<211> 475

<212> DNA

<213> Homo sapiens

<400> 12234

taatagctgt	gtagtattca	gtcatatgaa	tgaatagtat	gcaatttttag	ttctttattg	60
atagttgttt	tcaacaaata	tacaaatgta	aaatttttcc	tcaaattggg	tcaagctata	120
tatattgttc	taaattagct	ctgtttctcg	caataataat	agtgtgcagg	tttgttacat	180
gggtatattg	catgagggtt	ggggtacaat	tgatcccatc	accaggttag	taagcatagc	240
accagcatg	tagttttgtt	taagtttttt	gagacaagg	aggtctctgt	ccccagggt	300
ggattgcagt	gttgcgatca	ctggtcactg	cagttttgac	ctcttgggct	cggccgatcc	360
tcccggctca	gcctccgggg	tagctgggac	tacagtgggtg	ggccggccata	ccctgctatt	420
tttttgtgtt	tttttgtaga	gactggggtt	cgccctgttg	cccaggctgg	tcttg	475

<210> 12235

<211> 410

<212> DNA

<213> Homo sapiens

<400> 12235

aagccattta	aaaaagttag	caagattttt	tatcgacttc	ccaactgggc	ttccagcctt	60
gttgaatgaa	atcatctatc	tctgattggg	cgcaacgaac	tgcatttctt	tggacttctg	120
aatccatgtt	tgtgctttct	ctggcccggtg	aacanctygg	cgattctgtt	agggatggga	180
tgagtgggag	gaagcccttt	gagaaggggg	agccggcctg	tcatgcgcag	gttttccact	240

catctgagga	atagccaggg	ctctgaatth	agcctaacac	tcattcttggc	tgtgggcttg	300
ggaagaaatg	gccattatth	acagattgta	tttggtagat	attgtgtgat	acttgaaaag	360
ataaaaggga	ctgccagccc	ctaactgaaa	tctgaagctt	tttatcgctt		410

<210> 12236
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 12236						
cagcttttgt	tttacagaga	acgctagata	ttaagaatth	tgaaatggat	cattttctact	60
tgctgtgcat	tttaaccaat	aatctgatga	atataganaa	aaatgatcca	aaatatggat	120
atgattggrt	gtatgtaaca	catacatgga	gtatggagga	aattttctga	aaaatacatt	180
tagattagtt	tagtttgaag	gagaggtggg	ctgatggctg	agttgtatgt	tactaacttg	240
gccctgactg	gttgtgcaac	cattgcttca	tttctttgca	aaatgtagtt	aagatatact	300
ttattctaatt	gaaggccttt	ttaaatttgc	cactgcattc	ttggattttc	actacttcaa	360
gtcagtcaga	acttcgtaga	ccgacctgaa	gtttcttttt	gaatacttgt	tycttwagca	420
ctttgaagat	agaaaaacca	ctttttaagt	actaagtcac	catttgccct	gaaagtttcc	480
tctgcattgg	gtttgaagta	gttttagttat	gtctttttct	ctgtatgtaa	gtagtataat	540
ttgttacttt	caaatacccg	tactttgaat	gtagggtttt	ttgttggtgt	tatctataaa	600
aattgagggg	aatgggttat	caaaaaaata	ttttgctttg	gaccatatkt	sttaagcata	660
aaaaaaatgc	tcagttttgc	ttgcatttct	tgagaatgta	tttatctgaa	gatcraaaca	720
awcaatccag	atgtata					737

<210> 12237
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 12237						
acatgctagg	attggccagg	gtgtccctgt	ggtggcactt	atatttgagg	gtggggccaaa	60
tgttatcctc	acagttcttg	aataccttca	ggaaagcccc	cctgttccag	tagttgtgtg	120
tgaaggaaca	ggcagagctg	cagatctgct	agcgtatatt	cataaacaaa	cagaagaagg	180
agggaatctt	cctgatgcag	caga				204

<210> 12238
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 12238						
gcctttctcct	tcttctactga	agcctagggg	agccagtaaa	gattaaatgt	gctttctcaaa	60
ggcagccact	tcatgctgct	atgtcgaaa	ggccattatt	attattatat	tttaattggt	120
aaagagaaaa	ggagagaggt	tgagcgagcg	agagagaagc	taggtgtgat	gatgacagac	180
tagcttttct	gagaggaaaa	ggaaaaggga	agggagagaa	aaaggagagc	ctctgagctc	240
aacggaggat	tgtgcctgag	aagaaccac	agaggtgaga	aaaaagtgt	c	291

<210> 12239
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 12239						
gcctttctcct	tcttctactga	agcctagggg	agccagtaaa	gattaaatgt	gctttctcaaa	60

ggcagccact	tcattgctgct	atgtcgaaaag	ggccattatt	attattatat	tttaattgta	120
aaagagaaaa	ggagagaggt	tgagcgagcg	agagagaagc	taggtgtgat	gatgacagac	180
tagcttttct	gagaggaaaa	ggaaaaggga	aggagagaa	aaaggagagc	ctctgagctc	240
aacggaggat	tgtgcctgag	aagaacccac	agagtttgt	tgatgttcct	ttcagctggt	300
cctatagtac	ccctcctcag	gaatgtctcc	ccagtgcag	nrsaaagact	gaagagactg	360
ctatattgat	ggactctcaa	gccaactatg	aagttgaaac	aaagaaagt	atcacctgaa	420
gacacctcct	ctgctaagaa	acaccc				446

<210> 12240
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 12240	
attttcccc	cttgcctggg
aatggctggt	cctatagtac
gaagagactg	ctatattgat
atcacctgaa	gacacctcct
agaactctca	gaacaa
	60
	120
	180
	240
	256

<210> 12241
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 12241	
tctggcagaa	gaaatttcta
agcctgtgct	catttgcata
ggaagcagag	tataaaaagt
	60
	120
	157

<210> 12242
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 12242	
aaacaaagaa	tgtgttaagg
actgagatga	ttttaggagc
attaccta	attgtccttt
ggaaggaaaa	ataaatg
	60
	120
	180
	197

<210> 12243
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 12243	
attcgaacat	tcttaggagg
gcatgcaaca	aatgtctttt
atcaatttaa	aagtaaaaaa
atctgatrgt	waattkgtyc
tttttccacr	gtataakgga
	60
	120
	180
	240
	270

<210> 12244

<211> 321
 <212> DNA
 <213> Homo sapiens

<400> 12244
 taagtccacg attatcattt tagaatccag gctatgcttg ctgctctttt tatccacatt 60
 ttaaattaca attgcatttt ttacttggtc agtgcacact ttgatgcacc acaagtgcac 120
 taaatattga atcgtgtgca atatagaaat attttgagac tcacaacatt gaaacaaggt 180
 gacaccctag ttgactttat cactaatgtg atttgaacat tatttaaaca aatctagact 240
 gaacatgaaa gaaaggagtt ttgggcagtg acatttttca cagaatgtat atctcaaagg 300
 tgaaagcaga gtttttccag t 321

<210> 12245
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 12245
 tatgtttcat atacacttta tacacatagc ctgaaggcaa ttttatacat ttgaaataat 60
 ttggtgcatg aaacaaatct ttgactgcat tgactgcacc ccatcacatg aagtcagatg 120
 tggaattttc cacttggtgg gtcattgtcac tgctcaaaaa atttcagatt ttggaacatt 180
 ttagatttca gcttttt 197

<210> 12246
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 12246
 aaacaaatca gagatggaat aagagcggta attgcagcaa gaccgccttg attcttgcag 60
 tccagggagc tgagcgcacc gcgcgcaccc ggcgaggaca ggaggcgacc gcgggcgctg 120
 ccaagggctg cgggactttg gcttttcttc agtaaataaa tcttttgatt actttgacac 180
 tgtggaataa agaagcgggg agaaggatca ggctcacctt caccgccttc agggggattc 240
 cagcttggat gtcagattcc tgaaccgtct ttgccatcgg aggaggaaaas gacatccaca 300
 cagcgcgcgc cacactcgca cgctcagggc cacactcaca cgccgccttc cacgatcaca 360
 cagcaccag 369

<210> 12247
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 12247
 ctgccacgat tcttctgtg ctccatagga ggaccattg gacccccggg ctggctgcag 60
 ggcccacacc tgggttagac ctgcacagg gacgctgctg ccactgtaat aaagcgtgcc 120
 tacacgcttc tgaaactggg taggaacaa cctcagttct gtgaaaggcg gacgcagcag 180
 gacagaatct ccgtggacat ctgtctggag gagcaatttt actgcgacat tttaaagaaa 240
 caaatttaat tgatttccaa ggggtgtccat cgcgcttctt tcaactgcctt gatcatgtcg 300
 gggtcaccac ctgcgggggt ttgtctgtca gacctgact caacgcagga tgaataatgt 360
 acactgacac agatcttatg cttgtcagtc ctgctgagca tccaggccac ttacagactc 420
 caa 423

<210> 12248
 <211> 762

<212> DNA
<213> Homo sapiens

<400> 12248
gacaccaccc cagccagcat ggccggcagg agcgcaccgc gctgtctccc tccagggatc 60
cgccaccgcc tacaatcctg ctttgtgctg agattgtagt cctgcaggcg tacaactaac 120
aagctgggtg cagataagag actacagctc cccgcacccc aagcaaaggc ccctcctcta 180
cggagcccct ccacgcgtcc actgcgggtc cgccgtgcc aagggagcct ggctgttcac 240
gggcctcacc tgctagcgag aagatagctt ggccggggcg ctgatctcac cttgtaattc 300
tgacactgtg tctcccgggc ttgtcggctt catgacttgt gcccaaagtt tgatttctcg 360
cagaccagga ggacccattg gacccccggg ctggctgcag ggccacacct gggttagacc 420
tcgcacaggg acgctgctgc cactgtaata aagcgtgcct acacgcttct gaaactgggtg 480
taggaacaac ctgagttctg tgaaaggcgg acgcagcagg acagaatctc cgtggacatc 540
tgtctggagg agcaatttta ctgcgacatt ttaaagaaac aaattttaatt gatttccaag 600
gggtgtccat gcgcttcctt cactgccttg atcatgtcgg ggtcaccacc tgcggggggtt 660
tgtcctgcag accctgactc aacgacggat gaataatgta cactgacaca gatcttatgc 720
ttgtcagtc tgctgagcat ccaggccact tacagactcc aa 762

<210> 12249
<211> 230
<212> DNA
<213> Homo sapiens

<400> 12249
cagtgtcaga gtaatgcatg gtctctgatg ttatgttatg gggatcagta cttgctgggtt 60
gccttttcaa catttttatt aggggcttag aatagagaaa gacacagaaa gcacacttag 120
tgcatcgag atgggtgaaa gctgagaatg acggctaata ggatgagcac agattcaagg 180
tataaaaaag ttcttagaaa catggatcga aacaaagtga agttaatatg 230

<210> 12250
<211> 278
<212> DNA
<213> Homo sapiens

<400> 12250
ggggaccgta gcggggacgg accgacctac cgaccattct tccgggtcca gaaggatgatc 60
tccgcccgtg ctgagaatcc aggggcccgg ggctgtagat tccttgacaa ggatataccta 120
gcggcgaaac aacaccgtac tgggagtcag aacgtctggg ttctagtctt gactgccatt 180
aactagcggg atgacattgg agaagctttt ttgaccttc tggatttcctg tttccttttc 240
tgtaaaatga ggagcttgga agatccggaa aatgagggc 278

<210> 12251
<211> 363
<212> DNA
<213> Homo sapiens

<400> 12251
ccctagggtgt tttgttcacc attataatga atttagtgag cataggatgat ccatgtaact 60
gcctagaaac aacactgtag taaataatgc tttgaaattg aacctttgtg ccctatcacc 120
caacgctcca aagtcataat tgcatgact tccccacca gatgctgaaa atgtccttgt 180
gatgtgcacg taaagtactt gtagttccac ttatagcctc tgtctggcaa tgccacagcc 240
ctgtcagcat gaatctgtaa tgtcttgagc tctattatga atgtgaagcc tttcccttat 300
cnnnctgta acttgawcca tttctaatta tgtagctctt tgtcaggagg tgttccttat 360
cca 363

<210> 12252
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 12252
 ttatttttaa actaggctaa ggttttccct tcccttgcca cttggctgtt ctctggcagc 60
 aggggtgtgta acggagcagt ttaagatgtt aatacaaggc caaacaacag cactgtgagg 120
 gcagccatgt gaacgcgcag gagcaccttg tcacgtgact ctctagtttt aatggaatat 180
 tggctgtttt agataggaaa tac 203

<210> 12253
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 12253
 gtaaggagga ttcggcagag ggaagaaaca acagccgcca tcttgtttgt gtgctaggct 60
 gggggggaga gagggcgaga gagagcgggc gagagtgggc aagcaggacg ccgggctgag 120
 tgctaactgc gggagccaga gagtgcggag ggragtcggg tcggagagag gcggcagggg 180

<210> 12254
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 12254
 gttatttgac tggagtgagg tctcatgtct gcttatgcgg tggctcgctg ctcagaacag 60
 ggaggaagag ggtaatctgg aagagtttcc tgacctactc tgctgctgtg attaaacaac 120
 caccaggaaa ttttgatgac actgttctcc tgagctcctc cctttcctcg gggaagaaaa 180
 gcattgaaac tacaaaaata aagtgttatt tggc 214

<210> 12255
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 12255
 atatgtttat acacagaatt ttctttatga ttaatgtttt aaaacttgct taagccttca 60
 aaagaaaact tttttttaac cttttaatgt aggtaaaaat ccacattctt atgcctcctt 120
 ataatccctt taccaaagggt atattttact ttctttatac accttgcaca taaactgttt 180
 cttcaatagt tttacattca ggaggcccaa ttacttttaa attatacaac atttcttgca 240
 taaattcttt tttataactt ttttttctct ttcatgactt tcacagacaa ttctttgaca 300
 tgcgttaact ttctgactta ttacaaacat ttctttcttt aaacaaccag ttaatttatt 360
 tcaggataag aatttaccat ataacattct ttttacataa atttcgcggc ccccccaac 420
 tttttttccc ttttttttga agatgataac cattcttttc caaagtggac ttcttttatg 480
 tctgtggact agactgtcta aggccacaag attagaagtt actataatat atgttacact 540
 gttaactttt agcacacttt acttttgctg aaaaccttgt aatttgggaw taattatcct 600
 ttgctattaa taaaacttgt ttagttcaaa ttaacttaga attggtatag at 652

<210> 12256
 <211> 433
 <212> DNA

<213> Homo sapiens

<400> 12256

atatgtttat	acacagaatt	ttctttatga	ttaatgtttt	aaaacttgct	taagccttca	60
aaagaaaact	tttttttaac	cttttaatgt	aggtaaaaat	ccacattctt	atgcctcctt	120
ataatccctt	taccaaaggt	atattttact	ttccttatac	accttgacac	taaactgttt	180
cttcaatagt	tttaccattca	ggaggcccaa	ttacttttaa	attatacaac	atttcttgca	240
taaattcttt	tttataactt	ttttttctct	ttcatgactt	tcacagacaa	ttctttgaca	300
tgcgttaact	ttctgactta	ttacaaacat	ttctttcttt	aaacaaccag	ttaatttatt	360
tcaggayaag	aatttaccat	ataayaytct	ttttatataa	attccacccg	cccccttttt	420
tttccttttt	ttt					433

<210> 12257

<211> 355

<212> DNA

<213> Homo sapiens

<400> 12257

aaataataaa	ataaaaaaca	gagtgagggt	ctgactcttt	aaaaaaagag	aaataatgtg	60
cccacttcat	cagcacatat	actaaaattg	gaaccatata	gagatgaaca	tggctgctat	120
gcagaatata	gtgcaaattt	gtgaagcatt	ccatatattt	tggaaaataa	aaaagtgtga	180
gggagtgcct	tagtcccctt	ttgtctttga	tcttggaact	cccaacctac	agaactgtga	240
gaagtaagta	ttgattcttt	ataaattacc	caatctaagg	tattttgttw	kggtacctac	300
taaacaaaaa	gataaaactc	ttgtgattwt	gatcttaagt	tggaaacata	aaacc	355

<210> 12258

<211> 432

<212> DNA

<213> Homo sapiens

<400> 12258

acacggagca	ccctgggtcc	ttcccagcgc	tgctgggcag	gccccgtctc	caggccccag	60
ctgttgaaac	tttgaagggc	aacaaacaac	catccacact	gccggaccct	aggctgttca	120
gggaggcagc	tcattttccac	cccggcccca	ggacaccag	cctgtgcccc	acaaggnkct	180
ctctaaatgg	gagggattga	ggctactttt	ctgccaagcc	ctattaagta	gtaatgtggg	240
gaaacccact	gtgtcagtgc	aggaagcnct	agacaaatgt	tttcaaataa	atttactgc	300
ccagcctgca	cagatttcca	tttgaagtac	ttcccatcca	ccctgacacc	caaaggggtt	360
tttttgtttt	gttttgtttt	tgagacaggg	tcttgctttg	ttgcccaggc	tggaagtgca	420
gtgacgtggt	ca					432

<210> 12259

<211> 140

<212> DNA

<213> Homo sapiens

<400> 12259

attccacctg	caactcagag	cctgcaacag	ctggctggcc	tttaatttcc	tgaattggaa	60
acaaccctcg	ctcaaggaat	tcggccatta	tgaatctcgt	gctgttgccc	aggctggagt	120
acaatggtgt	gatctcagct					140

<210> 12260

<211> 221

<212> DNA

<213> Homo sapiens

<400> 12260
 taagggggcg gggaggccgc cactagcaaa caacctcagc ttcataaatc cagcagaaag 60
 gtccggggta ttgttgaaaa ggtcgggaagg accaagatta tgtccgccag cctaagtggg 120
 acgaacaacc aagttgtgcg atgcagcttt aaaggggctg gtgattgaca gaatgggtga 180
 gtagtagatg gggtaggagcc gctgggtggg gtcgagactg g 221

<210> 12261
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 12261
 ttggtaacgg ctccgaagcc taggaggctg ggccggaggg aggcggagga accggtgttc 60
 gccgccgcg ctgcttcagc ttattccttg tggcctctgc gggtcctgcc tcagccatga 120
 tgatccacgg cttccagagc agccaccggg atttctgctt cgggccctgg aagctgacgg 180
 cgtccaagac ccacatcatg aagtcggcgg atgtggagaa attagccgat gaattacata 240
 tgccatctct ccctgaaatg atgtttggag acaacgtttt aagaatccag catgggtctg 300
 gctttggaat tgagttcaat gctacagatg cgtaaatg tgtaaacaaac taccaaggaa 360
 tgcttaaaagt ggctgtgtct gaagagtggc agaagcagga cggagggtga acactccaag 420
 aggttattaa accata 436

<210> 12262
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 12262
 atacagcatt tgaccttgga cctttccttc tgggactttg aacctcgaga gagaggcacg 60
 tggttaagtg aagtttggct tggatcttgc attctggtga tccactatga gaagcacatg 120
 ccctgcgtas cactgcctct tcagtcccag gacaaacaac tcagagttag gatccaagcc 180
 cagccaacct cagtccaaag cagagccacc cagctaagcc c 221

<210> 12263
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 12263
 tgaaaaacct ctccaagtcc tgggtgaaga agtactgctg tttcgtatga tgctggcaag 60
 acaccagaa aggctatatt cagatgaaat cgatattaga agctatatta gctgaaacaa 120
 ctctttttac tgcgtagaac ctatatcgag agtgtgtgta tatgtattaw aggagggagc 180
 tctcaatttt atgtattctt tctgccttta attttcttgt ttgtttgagc ttagg 235

<210> 12264
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 12264
 tagagacatt attgtactgg ttgggaaaca actctatcct cttctttctg ctccagagag 60
 agatattgtc tctgtcctcc aagtgtgttt gctacacaga tgctcttgag atgatagtct 120
 agaacaaagg tctcagtgtc ttttgagctg aagacatgca gaccttggag agacccatgg 180
 agaattatct cccaatacca cttcaaaggg cttcttggag gagcagatgg gttcatacct 240

gtaacatgct ctgtatagtt gcctggcatg tgcctggcac ttaatcagtg ttagcactng 300
 tcattattac tctcagcttt taccatttgt cagctagtag gaactcagag gcctcctggt 360
 ctgggatttc cccagttarg tgactaagaa aatc 394

<210> 12265
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 12265
 gtgctcgctt cggcagcaca tataactaaaa ttggaacgat acagagaaga ttagcatggc 60
 ccctgcgcaa ggatgacacg caaatcctgt aagcgttcca tatttttagg cgttcggctt 120
 tgacca 126

<210> 12266
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 12266
 cattcaccaa acaactggct taagcataca tccaaaggac attttcttag atccatttct 60
 ggttttcttt agaaccctaaa cacattgtag gagagaaagg gatgctgagc ccctctcttc 120
 tgctcctggg ttgcagaatg gaagtggagaa tgcagtacct tacccttggg ggtgctgtgt 180
 cacaggagcc tccatttctt gctggagatg tgagatttgc aggatccaag atgtcctcga 240
 gtaaaagtcc attgtgagga g 261

<210> 12267
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 12267
 agcggcgggg tgaggggcggc cagagccgac gctgaggagg ggcagagagc gagcgatggc 60
 tgctagcacg ttgtcacctc tcaactctac ctcagcttcc caaagtgtg gtattacatg 120
 catgagccac tgtaccggc catcttctac tagttttata gtataagatt ttgtgtttaa 180
 gtctttaatc cagatgatca tgccactgta ctatggcctg ggcgacacag caatgttttt 240
 aaaataaata aacaaaatga agaggaccct ctgaaggaag cagattgctc ccacaggata 300
 tgggagacac cccaaatact agctgggtat aagtaaacaa gaagagggcc tgggaggaga 360
 gtctgacgag caaaggggag gtagccaagg at 392

<210> 12268
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 12268
 actcgtcttc aggtcttctt gtggcgcac ctcagtgacc gcgctgcggg agagggatga 60
 aacaagaggg cggtgaagc cgatcctgag tggggcccca gcaattcgga atgagccttt 120
 tccctccacc cgcttctgcc gaccggggcc ctcccgcgcg gcctcgcagg cctccccacc 180
 c 181

<210> 12269
 <211> 445
 <212> DNA

<213> Homo sapiens

<400> 12269

ttaaaaaaat	ttaaatgttg	ccttgattat	cagtacttaa	ttatgttggtg	cactaaaacc	60
ttaaatattt	attactgtga	ataaaaacaa	attatcttta	ctgtatagct	ggtttcttta	120
aatgttgata	gaattgtggc	attacatcta	aatttgtaag	tcttttcata	tcaaacaagc	180
aaggcttttt	atgctgctaa	gtctgtgggt	gcagaaagaa	acacccttg	gaagggcaaa	240
gagaagcccg	ctggttgcat	caccccgctg	agtttctcac	acacatctct	ttttctgatt	300
ctgtgttcag	aagaggctgc	cggcataaaa	cctaaatgca	aggttgacgg	agaacagctt	360
gtctggcaca	acaatgggtg	aggcccacga	gccagcatca	cagcttggcc	atgggacggt	420
gagtatgcac	aaactagaac	tctcc				445

<210> 12270

<211> 364

<212> DNA

<213> Homo sapiens

<400> 12270

atttttaga	gaaacaagcg	gagttaaccg	aagaggggggt	cgaggagagc	cggagtcggg	60
gaccaggag	tttctgtgt	ccagcgtgc	cggagccgcc	tgaggtgcca	tgtttcagaa	120
cagagtaaga	cccctggtaa	agaagaactg	aagatattat	acagatacca	gatatagcct	180
aattacaaag	aaagcattaa	cctgcctctg	aggtagactaa	aggggaataa	tggtagattt	240
gcgccgggct	cggccgcctg	cttcgcctcc	aaccagcaat	gaatcttgac	tcgctctcgc	300
tggccttgct	tcaaatacag	tacctgggtg	acaatttaac	caagaaaaat	taccgagcca	360
gcca						364

<210> 12271

<211> 329

<212> DNA

<213> Homo sapiens

<400> 12271

cttccttgct	gactaagagg	aacagaacac	agagcagcct	ggcgggtgtcc	taccaacaag	60
cctccgtttc	tccttctctg	aactagggct	cctgaaactc	actgatgaag	tctccgtctg	120
tcaccaggc	tggagtgtaa	tggagcaatc	tcggctcact	gcaacctctg	cctcccagg	180
tcaagcgatt	ctcttgcttc	agcctcccga	gtagctggaa	ttatagggtg	atgccaccac	240
gctcggctaa	ttttttgtat	tttttagtaa	gacggagttt	caccatgttg	gtcaggatgg	300
tctccgtctc	ttgacctoga	gatcagccc				329

<210> 12272

<211> 338

<212> DNA

<213> Homo sapiens

<400> 12272

atttttcaaa	agaagttsag	aaccagagaa	accgacctaa	ggggattctc	ccatttsgcc	60
cgtcctaccc	taaggctcacc	acctgctgcw	tttcwsgagc	gcntaccagt	naccaanagg	120
aasrgaacac	agrrcagcct	ggcagtgctc	aagcaacaag	cctccgctcc	tccttctctg	180
accctggggc	tcctgaaact	cacatgagaa	ggagggctgt	ctgagattcg	agggaaacaa	240
gctctcagga	cttccggctg	ccatgatggc	tgtgggcggg	aaacgcgggt	agtgaagca	300
tctgggcat	cttcaatgg	aaaaaagata	cagtaaag			338

<210> 12273

<211> 444

<212> DNA
<213> Homo sapiens

<400> 12273
 atttttcaaa agaagttgag aaccagagar rccgacctar ggggattctc ccatttggcc 60
 cgctctaccc taargtcacc acctgctgcn ttttctggag cgcttaccag tgaccaagag 120
 gaacagaaca cagagcagcc tggcagtgtc caagcaacaa gcctcsgctc ctcttctctg 180
 caccctgggg ctctgaaac tcacatgaga aggagggctg tctgagattc gagggaaaca 240
 agctctcagg acttccgggc gccatgatgg ctgtgggcgg taaacgcggg tagtgcaagc 300
 atctgggcca tcttcaatcc ccaaagtgga actcacccaa atgtctatcg tctgtgtaat 360
 ggataagaga atatgtgatg tctccatacg gtggaatatt attcagccat gaaagcaaag 420
 gaggtgctgt tatgcggtat aata 444

<210> 12274
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 12274
 agtttgcatt ggtggtccgc cattggtctg ttgggcaatc tgggccgtac cagcttttta 60
 aagacgccgt gtagtataaa caaggagaag tggggcgccc gggccatgat gtcagcgccg 120
 tgctgcagct cttgggggtg acgtcatctc cgggaagggtg gccggcccag ggttgtaga 180
 gccagcataa ccacttgggc cgctctcgcc ccgtcagagg tcagacccat tgcacttcag 240
 tatctcaggc ggcaccctgt ccccgaggag gggaccatga cacaggttgt gagtcccgcc 300
 ccagcccctc ca 312

<210> 12275
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 12275
 tatgattaaa tgaatttaaa aacttgaaaa tcagaaaacc cctttagttt attgttaatg 60
 tgccatatga ttttatgtat ttatgacata ttgtgagact cactgcaccc aagaaaggat 120
 tgtaagtact ttttttkgty catctttaag tggttatata gttggcattg tcagtaggtg 180
 gtcagagccc tttcatttgc cagaaggcat actttgaaga tgatttcaat gttggcaggt 240
 agttatccag ttctgttacc ttgtatncaa gtcagttttc atttctttat tattttcatt 300
 aatggaaac aaggatgtat cgcttcattt aaggcttctg tgaattaaag cctttgagta 360
 aaacgtcatt aatctgcac 379

<210> 12276
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 12276
 cttagcagaa tgactctggc tgcctcgtgg cagatgcacg gcggcggtgg aagagtctcc 60
 agtctgcagg cctggagagt gggagcctgc acacatgatc ctgaccgtcg gaaacaaggc 120
 agatggagtc ctgggtgggaa cagatggaag gtactcttcg atggcgccca gtttcaggtc 180
 cagtgcagcat gagaatgcct atgagaatgt gcccgaggag gaaggcaagg tccgcagcac 240
 cccgatgtaa ccttctctgt ggctccaacc ccaagactcc c 281

<210> 12277
 <211> 319

<212> DNA
<213> Homo sapiens

<400> 12277
cagtaattgg gcttgaggcc acttataaac cccctgggc tcagggtggct aattagcaag 60
taagaaacaa ggcagcacac ttttactctt cttgtgctat ggttttcatc agctgagagg 120
tcacaaatcc acttacatgc agactcagag cagcaggaga acattaatta ttaagaagtg 180
gaaaggcaca gtctcctctc ctcacaccat ctccctaggc ctccagctct tcatttccct 240
cctcctctcc tggtaatttg tcaactgaaga ttctaggccc agaatcctgc cttggttgaa 300
aatggttggtt attattaat 319

<210> 12278
<211> 350
<212> DNA
<213> Homo sapiens

<400> 12278
acattcccta agaggacgtt ctggactctc gggcagagct ttgtgagaga aacaaggctg 60
gcttcaagtg atctgcaacc agagtaattg ggatttgaca aggactgtga aaggctgact 120
ctccctgttc tctttcatgc tggcaccggg cagagtgtgg gaactactgc ctcaatacga 180
tcatagaagc cattgagatc ccgcagttta tcggccgcag ttacctgacg tatgacaacc 240
cagatatctt gaagaggggtg tcaggatcaa gatcaaattg gttcatgagg tttaaaacaa 300
ctgccaagga tggccttttg ctgtggaggg gagacagccc catgagaccc 350

<210> 12279
<211> 90
<212> DNA
<213> Homo sapiens

<400> 12279
attaaattct aaacaagggt atagtaaagg agtgtggcca agagggaag aagaaatggt 60
ggatccagat agcttcaatg ggtactgcaa 90

<210> 12280
<211> 216
<212> DNA
<213> Homo sapiens

<400> 12280
aatattttaga catgatggca aactgggagg aagaagacct ctctcattc ttattgtttt 60
attagggcaa tttgtctcaa taaaagccca ggaagaagac gaggatgggt agtttgccat 120
ttgctttgct tgtagtgttt attgcacggg ttgggaataa ggtggaatgt taagcctcag 180
gaagagcgtg aagaggagggt tctggtttga agtttg 216

<210> 12281
<211> 305
<212> DNA
<213> Homo sapiens

<400> 12281
actctctgct gccccaggaa tgggctgatt tcttgagtac acattaatct gagctccctc 60
agccctaggg gtagggggat tgggggcaca agatgggtgg agccagatag ggaagattcc 120
cycagtgttg tctgctccc agtccagggt tgggacaatg ccggcagcgt ttccctgtgt 180
ctttccccc caaagtctcc awgtctttcc tcaaatgatc gtcaagggtt gggagaaaca 240

atctcttctt ctgcccgggt tgcgtggatc tccagtggaa agatactgca tgacattgaa 300
acage 305

<210> 12282
<211> 440
<212> DNA
<213> Homo sapiens

<400> 12282
catattttgg ctaagtttgg acctataact acactttcat tgtttgcatc tctctatgaa 60
gatacgtctg tccaaacttt taaaaggcat aactgtattt tatgtgttta ttctttatat 120
agatagtatt ttatatTTTA ttctcaccgg aagtattcac acaatctttt taaaaaaaat 180
ttgaaatggc attttgtatt gccacagang taggatgagc catatattag tgaaatgttt 240
tattttgtaa aatataaatg gattatttgc catcattagt acctctcaac ttacttttta 300
gaggacaaga aacaatctgt agatttggtt ccatacaggg aagttctccg tcctatgcaa 360
tgtttctaata taatttgctt aattctgagc cattaatcct gctacacttt gaatgataca 420
ttaattcaga ctaatctttg 440

<210> 12283
<211> 365
<212> DNA
<213> Homo sapiens

<400> 12283
cagatcctgc ccagccaaca tttctaagtc ctttcctttg ccctctgctt ccttagaact 60
tgccccagac cccaaatcag ggaggaagat ttgaacctgc ctctgtctc cttgctggct 120
ggtcttgcaa taaagtcttt cttttctcaa aggcagtacc atggtattgc ttccgtgtac 180
attgagcagt gagectgagg caggaaaata gggtcaggag gcagggaaca taaggccaat 240
tcacacttgc gctgtaacag gaaatatcca ctccataggg cgtatgctgt aagtgacttg 300
taactttact tcactctctg catttacgta gagggttaagt gaagtaaaca atggaatcat 360
ctagg 365

<210> 12284
<211> 215
<212> DNA
<213> Homo sapiens

<400> 12284
aaattgaata ataagttagc aattaagtat atttttgggg atcaaattat tttgtctcca 60
aacatcttaa caatcttggtg attcagtga caaaattaaa aacttacaga atctgataaa 120
tgcacccaaa ctagcacacg tctgtgtgta tctctactt aatggaaaaa ataaaacaag 180
atattggata acatctactg taaggattca ccccc 215

<210> 12285
<211> 189
<212> DNA
<213> Homo sapiens

<400> 12285
ttctagaaac agttgtaagt acaataatat atcacgactt aggaccataa aactgaggct 60
gagatcttaa gagattttgc ccaaggctgc agaggaggta ggtagggact tcatgaagga 120
cagcaaatac cattctaaag agacgagtta tataatctaa acaatttggg attttagatc 180
cctttagcc 189

<210> 12286
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 12286
 taattttcac ttttataaaa taagtgtagg aatcctaaaa ttgattatTTT catttgaaac 60
 acaaattcag taggacgtaa tgcattgaaat aatttaattt ttgacatgta catcgaatca 120
 taatttataaaa acaaggctctg accagggtgta gtgcctcatg cctgtaattc cagcactttg 180
 gg 182

<210> 12287
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 12287
 aattttaggaa aagtagacaa atagctagag agaaagatgc aatttcagag ggatgactct 60
 gggcgcgag gattgaacag ctatctgcct tgagtagggc aaggcctttt ggcccaaatt 120
 taaagagagg aagttgataa agaaacacaa gaatatcaa cactgtgg 168

<210> 12288
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 12288
 aaactttgga attgctgtga tttaaagtgat caaaatgcc aataactaaa ggaaatcaat 60
 tgttcacagg taactacaat ttgtattatc tacaagtgcc tttaaacaca agatataggt 120
 gctgtgttag ctgatagtgt gaaatgttta atgagggagt tgtaccacaa acagtactac 180
 aatgattctg aagcacagtg tattcagaca gatacagtga accaagtgca atatgtaagg 240
 atgaaagaag aagagatgac aaagaaatcc aagtaaattgc cttgtctttg caaatgtttt 300
 tatattaaat cataaggaag gaactacttg ccttaaattgt taatatcaaa agagttttct 360
 aacaagggtta ataccttagt tcttaacatt ttttttcttt atgtgtagtg ttttcatgct 420
 accttggtag gaaacttatt tacaaccat attaaaaggc taattttaa ataaataata 480
 taaagtgtc tgaataaagc agaaatatat tacagttcat tccacagaaa 530

<210> 12289
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 12289
 caagtttagc tagataacca tgaccttcca aagactctga gcctgaggtc tgttctctgt 60
 ttaaaatggc atttagcaaa taatatagac atatgaaaga ccacaattaa gtctttcttc 120
 ttaaggtaat aagaattact gaaagggatt tggaaaggaa ataagcttct cttattttaa 180
 ttcaacattt taaaattcaa taagccacat cagctatgcc aaacaccatc tttgtacaac 240
 ctcaaaccat ctaatatacc aacctgaacc actgatactt ccaccatagg aagagggaca 300
 tttgttcttg cagaagttct tctgttctca atcccttagt tgcaggtaaa cactactgaac 360
 ttggattggg tgatgcta atcccttagt aaagtatgtt ggtactctgt tttccacac 420
 tgaattatt aagttcttac ctggtagctg caca 454

<210> 12290
 <211> 282

<212> DNA

<213> Homo sapiens

<400> 12290

agagacgtgg	cagcggaggg	ataatcgggg	cggccggggc	tgaagggaga	ggcgcaggag	60
ccctggggag	agtgggccct	gcccttcgcg	gcctcgagcc	atcgctaccg	cccttcggaa	120
ccagtgcagc	ggccgatcag	taaacacaga	gactggggat	cgatcatggg	gctttgtaag	180
tgccccaaga	gaaaggtgac	caacctgttc	tgcttcgaac	atcgggtcaa	cgtctgcgag	240
cactgcctgg	tagccaatca	cgccaaggtg	gggccttcag	gg		282

<210> 12291

<211> 136

<212> DNA

<213> Homo sapiens

<400> 12291

atcattgtgc	gcctgccaga	tccgccggcc	gcggaccggg	gctgcctcgg	aaacacagag	60
gggtcttctc	tcgccctgca	tataattagc	ctgcacacaa	agggagcagc	tgaatggagg	120
ttgtcactct	ctggaa					136

<210> 12292

<211> 506

<212> DNA

<213> Homo sapiens

<400> 12292

actggaggac	agtaactatt	gttaatagct	aagaataaat	gaggtggagg	ggagaaaaag	60
gggagaatag	acttcaagct	tcaagtgaat	tcctagagat	ggcatctgga	tgggactgaa	120
agcagttatg	tccaggagaa	tacaatatag	attatgcaag	agaagatttt	ataaagaaat	180
ttctgggtta	aaaaaatttt	tacattaaca	atcatcttgc	aaatgtttag	atataaacta	240
acctcggagg	tgagcagtg	actaggatga	ggtggcctct	caaattcctt	tagtcccatg	300
aatccagcaa	ccacagactt	acatgtataa	aggtagtttt	ctccctctga	atctcattaa	360
agggagagac	agactgacta	aattaacaaa	atatataara	cagctcaaga	atatgctgta	420
cataaactgg	aattctataa	agctcacaaa	gtaacatgtc	taatatacaa	tatattagat	480
gtttgaggat	atgcacatta	aactct				506

<210> 12293

<211> 235

<212> DNA

<213> Homo sapiens

<400> 12293

ttgattttgc	tacagctttt	tgccaggag	taagtgagga	ntgctgtttc	gaaagctggt	60
cttgcatctt	aagcagtacg	gtgtgggtct	taggggctgg	agtgtatctt	gcaggaaaca	120
cagagtaggc	aagaatgtga	ggtggtgtaa	gactagtttg	tctgggtcaa	aaagtaaaaa	180
agaagactga	aaaaagtagg	aatctaacc	caaagcaatc	aatctttgag	aagag	235

<210> 12294

<211> 471

<212> DNA

<213> Homo sapiens

<400> 12294

aaaagcgcca	accactgcg	gagacagaag	gccgcctacc	ggggaggccg	gaggggmyta	60
------------	-----------	------------	------------	------------	------------	----

aggtcgcgga	ytcgggcgaa	cccaccctcg	cgatctgtca	agtctgtccc	caggggaggt	120
ccccctttcg	ggaggaagtt	tttaagggga	tttctcaaaa	tcacccccgc	gcttccttca	180
ctccttcctt	agagccggag	cgcggcargg	amcsatgtcg	gcggagaccg	cgagcggccc	240
cacagaggac	caggtggaaa	tcctggagta	caacttcaac	aaggctcgaca	agcaccggga	300
ttccaccacg	ctgtgcctca	tcgcggccga	ggcaggcctt	tccgaggagg	agaccagaa	360
atgggtttaag	cagcgcctgg	caaagncgcg	gcgctcagaa	ggcctgccct	cagagtgcag	420
atccgtcaca	gactaaggag	atggcaggca	ttgacagctt	cactccatga	a	471

<210> 12295

<211> 139

<212> DNA

<213> Homo sapiens

<400> 12295

gccgcgctaa	gcactctcca	ttgtaggtca	gtgtatatca	aagaaacaca	ggcagttctt	60
ccacaagggc	aggactttaa	tcagacatca	agtactgagt	taatgattta	aatgcccac	120
attgcacagc	cttgttgtt					139

<210> 12296

<211> 238

<212> DNA

<213> Homo sapiens

<400> 12296

agatttcaaa	gaaagtaatt	caaacacagg	tgggggtccc	gcttacatct	gttggatttg	60
gctgccattt	ggcagctgct	cgttggacag	ggagaggaga	ggaggtgact	cagagccggg	120
agggcagcag	attgcacaaa	ccatgcta	ggccagcatg	gatggagga	gcgtgtgaga	180
tgtgtggggc	agcgtgctgc	atctcagcca	actccaggag	ccagttgatg	tgatggac	238

<210> 12297

<211> 151

<212> DNA

<213> Homo sapiens

<400> 12297

atTTTTgtat	tatacacaca	tctgctacaa	atgagctttt	tttggttcac	aaacacagtt	60
cctccaccaa	ttctaaaatc	atttaatat	gactttaata	atggtacctt	tttctagaaa	120
agcactaatt	gttttttttt	ttgtgggggg	g			151

<210> 12298

<211> 430

<212> DNA

<213> Homo sapiens

<400> 12298

agcatgagct	ccaagcttca	aacgcattct	catgctcaga	cgagcacttt	atTTTTcatc	60
aagttatttt	ttgcattggt	ttggagtagc	ttcgaataat	aaacacatat	ttctgcttta	120
aattttta	agttaactac	attcatgkka	caaccaaagc	aagaaagcct	catgttttgg	180
gggaaagt	gatatcagca	atgtccagac	aagataagga	aatgaagctt	agtgatgtta	240
aataacaagg	aagttcatca	actagcaagc	agcaaagccg	caagtcaacc	caagactgct	300
ggactccaca	acctgcta	tttccactct	gtcactctgc	tttagaaaaa	taaggggctt	360
ttttttaacc	cacatgcaat	acraattcta	tttcagcaaa	ggaagaattt	actacgagtt	420
tttaaagt						430

<210> 12299
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 12299
 cttcttaaac acatctcttg accgggggtgt tctcaccatg ccctttctac aaacaaaaat 60
 aaagaatgaa gatgtggaga cttggagaca ggtggcacct cgtgcttcct ccgaaggaga 120
 gcccatTTcc taacagctgg atcaaaggca tgaaatgaac atggagtccc tgaagatgaa 180
 gagaagg 187

<210> 12300
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 12300
 aaatggactg cagatattaa gcagtgaaga cagtgaagta ctcagctgat ttgttccgtg 60
 gagagtcagg ctacctgggc atcctactca atatccaggc ctgcccgaac ctcaagactg 120
 ggtgggcaact gttcagaggc cccagcccc tgcccttctc ctgcgagggc cgagctcacc 180
 atcaggtccc tggggcttgg aactaagtag ccacttcata aacacatgga ttttgggggtg 240
 ccccgcccc cataaagaga tcaaattatg tctcctgcat tctgctgtaa tgaaatgaat 300
 cataaaatat gttttagaag aaaattacta taaaaagttt caaaattgtt atttaaaaag 360
 gaccccgcca acasgcatat tgacccaaga atcttcggga tggactctgc ttttgatcac 420
 atctwmacct gctcgaggat cacctgtggc acgtcgggct ctgaatgmaa cccaggaca 480
 ccccatTTca tgcgtctgca ttcttaacct cactg 515

<210> 12301
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 12301
 attacaatna ttctcccgaa acaccacctc gatggacaga agatcggaat tctttactga 60
 atatgatttg ccaacaagta gaggccatta agaaagaaat gcaggagtgt aaactaaata 120
 gcagtaagtc agcatcccgT catcgttggc c 151

<210> 12302
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 12302
 tcatatcttt taaaaaataa ctccagggat aataatagtt catatctttt aaaaaataac 60
 tcttgaatat acaacaaagt gtatatgtta agttgtataa tagcgcastt aaagtaggtc 120
 ataaaaaac atgaaaattc aggttgggag cagaggctca cacctgtaat cccagcactt 180
 tgggagttga ggctgtgga tcacctgagg tcaggaattt gagaccagct tggccaacac 240
 cgtgaaatcc catctctact gaaaatacag aaattagcca gacatagtgg cgcattgcacc 300
 tgtaatccca gctactcggg aggtctgagg aggaggatgg cttgaacctt ggaggcagag 360
 gttgcagtga gccgagattg tgccatcgca ctccagcctg ggtgacagag caagattctg 420
 tctc 424

<210> 12303
 <211> 277

<212> DNA

<213> Homo sapiens

<400> 12303

agagcggcgg	cttctctcgc	gaggacggac	gccattatcg	catctccccg	acaaacacca	60
cgagaattcc	gcagcccaca	cggtgaccra	aagccgagcs	ccactgtgag	tygaactctt	120
tcgtgttgac	cggycaactct	cctgtgctct	ggatgaatgt	sggaacacga	cctggccgat	180
gtggttcaga	ttgcagtsga	agacctgagc	cctgaccacc	cagttgyyit	ggagaatcat	240
gtagtgacac	aygawmgacg	aacctgcttt	gaaacgc			277

<210> 12304

<211> 248

<212> DNA

<213> Homo sapiens

<400> 12304

ctgtttctaca	gctatggccg	ggccarctgc	agctttccgc	cgcttgargc	gccttgccg	60
gagctgcggc	cttaggcttc	gcttcctacg	ggcgccacgg	cgccmaattc	ccagatgcct	120
acgggaagga	gctgtttgac	aaggcnrrca	aacmccmact	tcttamacag	cctggccctg	180
ttaggggtgc	cccattgcaa	aaagccactc	tggttaatct	ttccctgcgc	ctaaccctga	240
ccaagccc						248

<210> 12305

<211> 257

<212> DNA

<213> Homo sapiens

<400> 12305

ctcgccggct	ctccagagcg	tctgtaaaca	cccagagact	gtcatggagg	gggaggagga	60
ggcggcggcg	gcgaaggagg	gcgtttgggg	ccgcctccag	ggtccgctct	gccattcctg	120
aactgggtccc	tcgtccccgt	gactctggca	tcagggtggt	ggaggcaaag	taaagaagcc	180
cggtaaacgt	ggtcggaagc	cagccaaaat	tgacttgaaa	gcaaaacttg	agaggagccg	240
gcagagtgc	agagaat					257

<210> 12306

<211> 292

<212> DNA

<213> Homo sapiens

<400> 12306

ctcgccggct	ctccagagcg	tctgtaaaca	cccagagact	gtcatggagg	gggaggagga	60
ggcggcggcg	gcgaaggagg	gcgtttgggg	ccgcctccag	ggtccgctct	gccattcctg	120
aactgggtccc	tcgtccccgt	gactctggca	tcagggaagc	gaactgttag	gcgagaggag	180
gaggcagcca	gaaccatata	cccttcttcc	tcggggcggg	ggccgggcca	ggccggctga	240
gccggggggag	ggctcagggg	gggagtagag	acaaagaaga	gaatggaaga	ca	292

<210> 12307

<211> 433

<212> DNA

<213> Homo sapiens

<400> 12307

agttactacc	tcttggaata	gggtcccgcc	ccctgccttg	gcgcaaggca	ggtgagaaac	60
ggtcgcgcag	kkgtgaaatt	aacgccgasc	gggaggggct	taatccgcag	cctggagatc	120

cagccccctc	aaccgaggag	gtggtccttg	cagttacgcc	aatgataacc	cccgccagaa	180
aaatcttagt	agccttccct	ttttgttttc	cgtgccccaa	ctcggcggat	tgactcggcc	240
ccttccggaa	acaccggaat	caacttctag	tcaaattatt	gttcacgccg	caatgaccca	300
ccccctggccc	gcgtctgtgg	aactgacccc	tggtgtacag	gagagttcgc	tgctgaaagt	360
gggtcccarag	gggtactagt	ttttaagctc	ccaactcccc	ctccccccagc	gtctggagga	420
ttccacaccc	tcg					433

<210> 12308

<211> 387

<212> DNA

<213> Homo sapiens

<400> 12308

ggaaatgaaa	ggagcacttc	cgggttcggc	aataacctgg	agccggcggc	gtaggttggc	60
tcttttagggc	ttcaccgccg	agctccacct	tcgctcccg	ctttctggaa	acaccgcttt	120
gatctcggcg	gtgcgggaca	ggtacctccc	ggctgctgcg	ggtgccctgg	atccagtcgg	180
ctgcaccagg	cgagcgagac	ccttccctgg	tggaggctca	gagttccggc	aggggtgcatc	240
cggcctgtgt	gtggcgcgag	gcaggggaagc	cggtagccgg	gtcctggccc	cagcgtgac	300
gttttctctc	ccctttcttc	tctcttcgcg	gttgcgggcg	cgcagacgk	agtgtgancc	360
cccatggcag	atacgacccc	gaacggc				387

<210> 12309

<211> 128

<212> DNA

<213> Homo sapiens

<400> 12309

gctgtgcagt	tgtactggct	gccgtggctg	gcgccggctt	ggcgttgaga	ggtaaaccgaa	60
gctaaacacc	gtcgcgcttg	atcgtggacc	cggctttggc	tttgtacarg	gtacggtatc	120
gsctcggg						128

<210> 12310

<211> 141

<212> DNA

<213> Homo sapiens

<400> 12310

atgattccag	ccatacagag	ctgcttttgg	ttccttgtct	gtntcattcc	tccactatgc	60
ttttgacagg	gtagtccctc	aatctamtaa	attcaaacac	ctagttttaa	acttgagatc	120
agcacaattt	cttattcttt	t				141

<210> 12311

<211> 112

<212> DNA

<213> Homo sapiens

<400> 12311

catagttcgc	tgtttcaaca	atgtccattt	atccttcacc	ctgaggcgtg	ttttgggggc	60
tgcaaacacc	tcccggtaga	ggctggacct	gaggaccctt	cccactgtgc	cc	112

<210> 12312

<211> 285

<212> DNA

<213> Homo sapiens

<400> 12312

tagaaattaa	acaaaaaata	attgtacata	tttatagatt	tatacaatat	gatacatgta	60
aactttgttg	agtaaccatg	ttagcagatt	tttaaaaatt	cctttttatg	aaaggaccca	120
cccaagggca	gctcattttc	gagtatctca	tttgacggga	tttaatgact	ggttgggagc	180
tatgcccccc	tcagtatgca	gggagattat	agcgtccaca	acactttgcc	cttcagaggt	240
ttcagagtga	cttacaacaa	ccttgtatcc	ctaggggtgrr	accaa		285

<210> 12313

<211> 362

<212> DNA

<213> Homo sapiens

<400> 12313

gacgcgtgtg	tsaatcgtgg	gtgggatggc	cgcgggccgc	ctctttctaa	gtcggcttcg	60
agcacccttc	agttccatgg	ccaagagccc	actcgagggc	gtttcctcct	ccagaggcct	120
gcacgcgggg	cgcgggcccc	gaaggctctc	catcgaaggc	aacattggct	ccactttgag	180
gctctgatga	acattccagt	gctgggtgtg	gatgtcaatg	atgatttttc	tgaggaagta	240
accaaacaag	aagacctcat	gakagaggta	aacacctttg	taaagaatct	gtaaccaata	300
ccatgatgtt	caggctgtga	tctgggctcc	ctgactttct	gaagctaaaa	aaatgttgtg	360
tc						362

<210> 12314

<211> 210

<212> DNA

<213> Homo sapiens

<400> 12314

atacccggaa	acacgagtc	aagctgcagc	tggcagggat	tgcgggggtgc	cggccgtctg	60
agttttttta	aaactgctcg	cgcgaagtc	tgtctgcagc	caaatgtcc	aacagaaaca	120
acaacaagct	tcccagcaac	ctgccgcagt	tacagaatct	aatcaagcga	gaccgcgcgg	180
cctacatcga	ggaggtggga	gtgcggcgcg				210

<210> 12315

<211> 161

<212> DNA

<213> Homo sapiens

<400> 12315

agcacacaca	aacacacagc	acacacatgc	acacacagca	cacacactca	tgcgcasaca	60
tacatgaaca	cagctcacag	cacacaaaca	cgcagcacac	acgttgacac	cgcaagcacc	120
cacctacaca	nactsatgcg	cagancatrc	atgancacag	c		161

<210> 12316

<211> 281

<212> DNA

<213> Homo sapiens

<400> 12316

aaatcttcat	ccttgacttt	catgagtaca	tcagcccgaa	caaggccact	tcagagtttc	60
cacaaacgaa	aactgtacag	attgagccct	actttttatt	ggactccaca	gactttgcct	120
tcaaaagaaa	cagcattttk	aaacactaca	caaatgcctt	gcctgcaatc	agcttcaact	180
tggagtagct	atgaacacaa	ttcggagtct	tacctattaa	gagaacatgt	atcagagtta	240
gattcctctt	tccattctgt	tctatcattg	ccatcagatg	t		281

<210> 12317
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 12317
 ttgcctgccca ttttcagaat catcttttga agctttctgt tgatgttaac tgagctacta 60
 gagatattct tatttcacta aatgtaaaat ttggagtaaa tatatatgtc aatatttagt 120
 aaagcttttc ttttttaatt tccaggaaaa aataaaaaga gtatgagtct tctgtaattc 180
 attgagcagt tagctcattt gagataaagt caaatgccaa acactagctc tgtattaatc 240
 ccc 243

<210> 12318
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 12318
 caggttattg caaaattttg tgtgaagtcc tttcttggtg aataagtaac tgagtaagaa 60
 tgtcactttt ttggtttttag aaatatattg ttcactcatt gacactttaa aaaataatct 120
 attaagggg 129

<210> 12319
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 12319
 aactcactcc gaagtttacc tgagtggagc ggcggcatgc ttgcagctcg gcggcagcct 60
 gtgagagctg agggtcagtt cttcgagtag atctcaagct gcgttttcct ccttctccaa 120
 agcagggatg ggaagggtgga ggctactggt tgaagagaag aaaggggttg ggggaatgca 180
 acacctgcaa acactaggga ttgtgggtcg agcggaagag ctaatgagag ccgagctcag 240
 gtatcccaag tcaaccagaa tcaaattgag agtacgccac aaggcattta atgcccacag 300
 taacagggct gtttgacagt ggcagaagag gacgg 335

<210> 12320
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 12320
 caggtctgtg cacaccagca ttgtgtggaa gagaaactcg aaacactagt cctggcctga 60
 ttactcgctc acttcctgag ttttcagact ggcctctcta gcaccttagg tggccacgtg 120
 agctgggtgc taatccttac cacac 145

<210> 12321
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 12321
 tgcataatgta gtcgtaattg agttctgaca cggcctggat gtttctgtcc taaatagctg 60
 acattgcatc ttcaagactg tcattccagt tggcttttga gtggatacgt gcagtggatg 120

cattgacact	ggaacacta	gttcccat	tttaactta	aaacaccacg	atgaaaagaa	180
atacctgtga	tttgcctt	cggagcaaaa	gtgacttgag	catctgaaga	ttttggtttc	240
tgcagagggg	gggaaagg	gaaccaatcc	cccatggata	ccaaggcctc	tgaggaaaca	300
ctacattcca	gtaatgaaga	ggaagaccct	ttccgcggaa	tggaacccta	tcttgtccgg	360
a						361

<210> 12322
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 12322	
gagcaggtag	gmaacagcaa atgcagaagc tgctgcgcgg ragtcggcca tggactggaa 60
agaagttctt	cgtcggcgcc tagcgacgcc caacacctgt ccaaactctg cctgctgaag 120
atgaagtctt	actacagaaa ttaagagagg aatcaagagc tgtctttcta caaagaaaaa 180
gcagagaact	gtagataat gaagaattac agaacttatg gtttttgctg gacaaacacc 240
agacac	

<210> 12323
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 12323	
aaagaggctg	cctctgcccc ccagtcctgc cgcccaggac ccgcagcasa gacgacgcct 60
gcagcaagga	gaccaggaag ggggtgagaca aggaagagga tgtctgagct ggagaaggcc 120
atggtggccc	tcctgcagct tttccaccaa tattctggaa gggagggaga caagcacaag 180
ctgaagaaat	cctcttccct gactcaccct atttcaatta tcctgatccc ttctcatccc 240
ctgcttggtt	tctctgcctg tggctcatctg ctgtggcttg gtgtttaatg ggtaaaaaat 300
aagccactgc	ctgasatccc aacatttgac accccagcaa tgtgtgactc cccaacatt 360
ccactatgcc	atcctgcagc tgaaatggga acactggctg cctctccaaa cccgctcttg 420
gcagagagat	ctgggaggtg gaagccaggg cagaggactt ggggaaaatg wkatggagga 480
aggaaaaagg	gagaagctga gccacagctt aactcctaca gagtgaatg aaaacgggct 540
gaaaatacca	

<210> 12324
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 12324	
aaagaggctg	cctctgcccc ccagtcctgc cgcccaggac ccgcagcaga gacgacgcct 60
gcagcaagga	gaccaggaag ggggtgagaca aggaagagga tgtctgagct ggagaaggcc 120
atggtggccc	tcctgcagct tttccaccaa tattctggaa gggagggaga caagcacaag 180
ctgaagaaat	ccgaactsaa ggagctcatc aacaatgagc tttcccat
atcaaagagc	aggaggtgtg ggacaaagtc atggaaacac tggacaatga tggagacggc 240
ggaatgtgac	ttcc

<210> 12325
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 12325

gaaaaaataa tgcaaaaatt gggatattac agaatcacca taaagatgat caacaagtaa 60
 taagtctttt catggagttc atttttcttt taaattcatg atttggccac aaaaatatat 120
 atataagtgt ctgatatatg ataacagccc agtttctcgg ccactcattt gcattatctt 180
 aaatcacaaa taattactta atttgctgga gtgtgtgctt tgcaactttt rtaccagagy 240
 aaaatttgta tttaaaacaa aaaataagaa tgcccatcac taggagaaac actcytcaca 300
 gaaaacacac acacacacac acacacacaa tttaaaaact gagtaaattt aaatgtatga 360
 nagtac 366

<210> 12326

<211> 377

<212> DNA

<213> Homo sapiens

<400> 12326

ctataaatca ggttgccacc actcccagat ttagttgcat tcatttgctg gaagagctca 60
 cagcacgcag ggaaacactt acatttgccg ttgtatttta gcggacattg cacaaagtcc 120
 agaaataaat gtggggcccg gcatgcgggg aggggtgcac taccttccag gaagtgttat 180
 ccagaagctc tctgaaccca gtccttttgg gttttgatgg agacctcayt cwatagscat 240
 gatgggttaa accataggct attggtgatc aactccacct gaggtctctc accctccctg 300
 gaaattgggg ttgaggcttt gccattctca gtctgactaa aagaatttac ccaaacggaa 360
 ttttaaaca gatgagc 377

<210> 12327

<211> 351

<212> DNA

<213> Homo sapiens

<400> 12327

agctctggat cggcggcgcg gcgcgaactt tgtaaacact tcgccactgc aggggtggag 60
 actggctctg ttccggatgcc ggccgggggg gagaggtgca atcctctcct cgcggctggt 120
 ggttgcgacc acccccactc cccaaaggca ggctccggag gcggcgggac agagcgcttg 180
 cgacccagct cggtgctccg gggagggtcac ctgacgagga ggactgggag gtgctggtcc 240
 tagggaagct caagtgggac ctggctgctg tgattgcaca tgatttcctg gccttcattc 300
 tgcaccggct ctctctgccc cgtgaccgac aggccttggt caaaaagcat g 351

<210> 12328

<211> 252

<212> DNA

<213> Homo sapiens

<400> 12328

caattaataa aactctgact ccaggagacc agttctagct ggggaaatag gaacaggctg 60
 ttttaaccaac aacaagtagt cctgttatac acagacacac acacaatcaa 120
 acagcctgtc tcacctccc caccagacct gtgcagagac acagacactc aggggcaagt 180
 gggattaaag ttttaaggca gttatattaa gaagctgagg acatctaaac actttttcaa 240
 aaaccagtgc ag 252

<210> 12329

<211> 176

<212> DNA

<213> Homo sapiens

<400> 12329

ccgaaaacta ttgaattgca ctttaaattg atgaattgtg tggtatgcaa attatatccc 60

aatgaaaatg ctgaaaaaat aattggaagg gggaaaagta aagacagtaa tatgatgcct 120
 ttgcttatga aagtgaacct caaactagac agtagctaac aactgaaata acagga 176

<210> 12330
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 12330
 aggactacgc gtgtccttgg gcggagaagg gaggtgactc cggcggaaga ggacaaggca 60
 grmtgcaggc ccttcgggtg tcccaggcgc tgatccgcts cttcagctcc accgcccga 120
 accgctttca gaaccgagtg cgcgagaaac agaagctctt ccaggaggac aatgacatcc 180
 cgttgtacct gaagggcggc atcgttgaca acatcctgta ccgagtgaaca atgacgctgt 240
 gtctgggagg cactgtctac agcttgact cccttggtg ggcctccttc cccaggaatt 300
 aagaccaaga agcctggggg gcctgagaga cttgaacaag tgtcaataaa cgctggcc 358

<210> 12331
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 12331
 agagcctacg tcagaggctg gcgcaaacag aagtgcagcg gtggcgggcg ctggttgagg 60
 gccggcgggc ggctggcgga gatggaggat cttgttcaag atgggggtggc ttcaccagct 120
 anccctggga ccgggaaatc taagctggaa acattgcc 158

<210> 12332
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 12332
 taagacatgg tttccctctt tggggagctt ccctgcagac aggaattgca gatggaagcc 60
 ttgtgtcac aggttttacc cttatcttgt tgaggatggc tctcccagct ggagtgggaa 120
 gcgcttcact gcttgagact tttgtattgg aaacagaatt gacacctggg taatgaataa 180
 tacatgggat aggaagatgt ttcttagcca taggatttaa ccgatctgtt ttccacagct 240
 gtttttgttt gaaatgccct taaaagtttt agtaacttta gaaaggaaga gttt 294

<210> 12333
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 12333
 aagcaccctt cagcagttcc acacactcgc ttctggaacg tctgaggtta tcaataagct 60
 cctagtccag acgccatggg tcatttcaca gaggaggaca aggctactat cacaagcctg 120
 tggggcaagg tgaatgtgga tcttgagaac ttcaagctcc tgggaaatgt gctggtgacc 180
 gttttggcaa tccatttcgg caaagaattc acccctgagg tgcaggcttc ctggcagaag 240
 atggtgactg cagtggccag tgcctgtcc tccagatacc actgagcctc ttgcccataa 300
 ttcagagctt tcaaggatag gctttattct gcaagcaatc aaataataaa wctattctgc 360
 tgag 364

<210> 12334
 <211> 276

<212> DNA

<213> Homo sapiens

<400> 12334

ataatagcta	ccaatgtcta	agagatgtag	atTTTTaaat	tttgatattg	ctctTTTTtg	60
tgctgtctag	aaatgggtaa	acagagagat	atcaaatttt	gactacctca	ttcaaataaa	120
tacaatggca	ggacgaacct	ataatgacct	tgacacagat	cctgtgtttc	cctggatttt	180
acaagattat	acttcggaag	agttggacct	taataacct	gctgtatttc	gagatctttc	240
caaaccaatt	ggggtagtta	atgaaaaaaa	cgccaa			276

<210> 12335

<211> 271

<212> DNA

<213> Homo sapiens

<400> 12335

agcgtctgct	caccctcctc	tacggccacg	actctgggag	tggggaaaca	gagagccggt	60
tcctctgctg	cagaagtcc	cggggttcct	tctcacaact	ctgcgaagg	gaaaggggtg	120
tgagacccaa	ccagacccca	actccagctc	ccagcaggag	gtggctgcgc	cacactcggg	180
aggcctcttg	gtttcagggt	ctctctgtct	ctctctcacc	ctctctcctg	ctttctctgt	240
stctctgtct	ctctctcacc	ctctctcctg	c			271

<210> 12336

<211> 476

<212> DNA

<213> Homo sapiens

<400> 12336

gcgctgcttc	tctgaggcag	gacggcactg	ccgggaggcg	gcggtgacaa	cgacggcggt	60
ggtgacgggc	accgggctcg	cgggtgagac	acagtaacct	ggttgaactc	tgcatctgga	120
aagctgaaga	ctgaagaaag	ataagagaca	ttgactagtc	tggaaacagg	gacatctttg	180
gaacttcggt	ttcatccaca	gtaaactttt	gaagtgtcat	caattggaat	tgatttcttc	240
atcttattct	gcctattggg	aagaacatgg	cttcaaggat	tttaagtttc	cctttagttt	300
tacatgaact	ttgtaggaaa	cagagccctt	aaagggcttg	ggaataacaa	gaagagattg	360
aagacagaga	agcttgccct	gttttccttg	ccccttcaaa	gaaaaggatt	tacagctcag	420
yttagaacag	ctgttggtcca	gcttttagcca	tcaagagaga	aaacgactcc	catagc	476

<210> 12337

<211> 534

<212> DNA

<213> Homo sapiens

<400> 12337

gcgctgcttc	tctgaggcag	gacggcactg	ccgggaggcg	gcggtgacaa	cgacggcggt	60
ggtgacgggc	accgggctcg	cgggtgagac	acagtaacct	ggttgaactc	tgcatctgga	120
aagctgaaga	ctgaagaaag	ataagagaca	ttgactagtc	tggaaacagg	gacatctttg	180
gaacttcggt	ttcatccaca	gtaaactttt	gaagtgtcat	caattggaat	tgatttcttc	240
atcttattct	gcctattggg	aagaacatgg	cttcaaggat	tttaagtttc	cctttagttt	300
tacatgaact	ttgtaggaaa	cagagccctt	aaagggcttg	ggaataacaa	gaagagattg	360
aagacagaga	agcttgccct	gttttccttg	ccccttcaaa	gaaaaggatt	tacagctcaa	420
amcttttagam	cagctgttgt	ccagcttttag	ccatcaagag	agaaataaat	taaaccacca	480
ttgccagact	acaagccctg	gtgaagtcag	ggtgtgggag	tgggtggcatt	gaga	534

<210> 12338

<211> 292
 <212> DNA
 <213> Homo sapiens

<400> 12338
 aacgcttgga ggagagggcg ggggtgctgtt tccttttcgct gatgcaagag cctagtgcgg 60
 tgggtgggaga ggtatcggca ggggcagcgc tgccgccggg gcctggggct gacccgtctg 120
 acttcccgtc cgtgccgagc ccaactcgagc cgcagccatg tctggggacg agatgatttt 180
 tgatcctact atgagcaaga agaaaaagaa gaagaagaag ccttttatgt tagatgagga 240
 aggggatacc caaacagagg aaaccagcc ttcagaaaca aaagaagtgg ag 292

<210> 12339
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 12339
 cttaggtatg tgagcaagca gcttgagtat gaktggatgc tgcaaacaga tccatagggc 60
 aatgtggcta ggccattttg ggggcactct tcctccaagc atgtttcgtt ccatcgtctg 120
 aatcctgcaa gaaggtaact tcagcctcct gccagcatcc ttgggaaaga gattaacatc 180
 tcagcatcca atgggactgt ttacctaata accctgactt tctcagtacg gtttctc 237

<210> 12340
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 12340
 gtgacgcccg gscagggccg gaargagtgc agcggctgcc acggagctcg tagctgcagc 60
 tttggaggag taagcggcgt ggtagcgaag gtcgccgaac ccgcctggct agccggcgag 120
 ttgagtggcg actcttttga aacagatggg caccatgttt agatattagc agtcccgtat 180
 gtgcatgtct gcatttgaaa atggaagagg gaaacaacaa tgaagagg 228

<210> 12341
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 12341
 ttcctctttc ctgagactgg atctgttcaa acagcaaacg cccacagatg gcccagaggt 60
 ggtggtagtc aggggtgtgt ggtgttttta gggttcttta gtgttggttc tttcacccca 120
 ggggtgggtg tcccagccag tttgggtgctg acgggtgagag gaaattagaa tctgtttgca 180
 aattgtccaa cccacccct caacatgagg ggcttccatt ttctgtgtyy ntgtaaggga 240
 actgtttcct tcatgccgcc atgttcctga tattagtctt gatctctttt taacaaatgt 300
 tatcatgatt aagaaaattt ccagcacttt aatgg 335

<210> 12342
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 12342
 gttttcaaac cagttgctag ttaaaggagc agcggatcgc gcatccgtaa gaatcagctc 60
 taaccaaaca gcaaacgcgt tggccagagg gtgacttatt ccccatagc aacctctggc 120

aaggcttatt tgacaaggaa gttcctgcgc tgctgtcct ctgagcatcc agaggccctt 180
 tttgagactt cggcagcatt aaagtaaatac cagcaacggg gaggattcgc gtggacttgc 240
 ttgtggagac aggaacctca g 261

<210> 12343

<211> 258

<212> DNA

<213> Homo sapiens

<400> 12343

gttcgggttc gccattttgc taggcagcgg cagtggcggc ggcagcggcg gctggagcct 60
 ctgattgggt ttcggagtcc ggtactggag ccaatcagcg cgggcagcga accggggggag 120
 cgaggcacgg agtgtacctc acagccttct aggatctcca gattggacag gaatctcact 180
 tggagggacc atggagcagt atacagcaaa cagcaatagt tcgacagagc agattgttgt 240
 ccaggcagga cagatcca 258

<210> 12344

<211> 168

<212> DNA

<213> Homo sapiens

<400> 12344

attcgggtgg cctggcagtt agctgagcac gccctctgag ccgctcgggtg gacaccaggc 60
 actctagtag gcctggccta cccagaaaca gcaggagaga gaaganacag gccagctgtg 120
 agaagccaag gacaccgagt cagtcattggc acctaaggcg gcaaaggg 168

<210> 12345

<211> 903

<212> DNA

<213> Homo sapiens

<400> 12345

agcgatcagc tgacattcct aactgaaggc tgcaatgtgt tgcttattca ttttgtaccg 60
 tgggagctgc ggggactagc agagagctaa actatgcatt tcaaacagca gtgcttgtgc 120
 agaaagaggg gtgagagaga ggcagccggc gaggaagag cacagctgga ctttctcctt 180
 gtttttatcc atttctgcag gatcatgtat tcataaggga tgaggcgggc cacggcgatc 240
 ccaggcctga gccgcggcct acccagtcag ttcagagcca ggccctccac taccggaaca 300
 gagagcgctt tgccacgac aaatcagcat ctttggttac acgacagatc catgagcatg 360
 agcaggagaa cgagttgcgg gaacagatgt cagggtataa gcggatgcgg cgccagcacc 420
 agaagcagct gatcgccctg gagaacaagc tgaaggctga gatggacgag caccgcctca 480
 agctacagaa ggaggtggag acgcatgcca acaactcgtc catcgagctg gagaagctgg 540
 ccaagaagca agtggctatc atagaaaagg aggcaaagggt agctgcagca gatgagaaga 600
 agttccagca acagatcttg gcccagcaga agaaagattt gacaactttc tttagaaagtc 660
 agaagaagca gtataagatt tgtaaggaaa aaataaaaga ggaaatgaat gaggaccata 720
 gcacacccaa gaaagagaag caagagcggg tctccaaaca taaagagaac ttgcagcaca 780
 cacaggctga agaggaagcc cacccttctc ctcaacagag actgtactac gacaaaaatt 840
 gtcgtttctk caagcggaaa ataatgatca agcggcacga ggtggagcag cagaacattc 900
 ggg 903

<210> 12346

<211> 372

<212> DNA

<213> Homo sapiens

<400> 12346
 agagcaaggc gnaagtctgg aggacgctga ggggcggagg cgggagaggc gagctcgcga 60
 tgagtgggtc cggcaggctc ttcgggaagg ggaagaagga gaaagggcca acccctgaag 120
 aagcaatata gaaactgaag gagacagaga agatactgat caagaaacag gaatttttgg 180
 agcagaagat tcaacaggag ctacaaacag ccaagaagta tgggaccaag aataagagag 240
 cgtgaggcca ttgagaatgc cactaccaat gcagaagtcc ttcgtaccat ggagcttgct 300
 gcccaaagca tgaagaaggc ctaccaggac atggacattg acaaggtaga tgaactgatg 360
 actgacatca cg 372

<210> 12347
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 12347
 tactgagtgt ggcttccaag aaatgttgca attcaaatg cactaagtct gtgattttatt 60
 ggagatttgg agattctaaa taatatTTTT aaaaaacttc catgcaactt ctgggtttaat 120
 gtttggcaac tccacatgat aaaaaaataa aaacagccca accgagtttc ggaattaaagt 180
 atttttctag taagtgtatc aaacttgtaa tatttgccac aggactgrct tatttathta 240
 ctagctagaa gctcttaagt tcacttgttt atcagggcat atacagaa 288

<210> 12348
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 12348
 aatcgaaaaa aaaacaacga tatggcagga gccagtcttg gggcccgtt ctaccggcag 60
 atcaaaagac atccggggat catcccgatg atcggtctaa tctgcctggg catgggcagc 120
 gctgcgcttt acttgctgag actcgcctt cgcagcccg acgtctggct gggacagaaa 180
 gaacaaccog gagccctgga accgcctgag cccaatgac caatacaagt tccttgagct 240
 ttccactgac tataagaagc tgaagaagga ccggccagac ttctaagcca ggctgggctg 300
 ccagtgccat gcaagccaca gccagccagc ccatccactt cttccactcc tccccgcagg 360
 ccccaaggca tcaactccggc canccgtgac cgctactgct tacacaggcc gggttccacc 420
 sanaggggar gctgctcc 438

<210> 12349
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 12349
 tgtgtatgtg tgaaaatcag gaagagccag cggggagtgt gtgttgccat cgcgtctccg 60
 cctgcagggg cgggacccca ggaggagga gaggacagag ccactgcaga ggaccagact 120
 gggaaaacaa cgatatggca ggagccagtc ttggggcccg cttctaccgg cagatcaaaa 180
 gacatccggg gatcatcccg atgatcggct taatctgcct gggcatgggc agcgtgcgc 240
 tttacttgct cgcactcgcc cttegcagcc ccgacgtctg gtaaaggcag cgggctccat 300
 cttgatcctt acacaaaatg acttcacgaa tcccttgctt aatttctgct ctacgaattc 360
 caacatcatt acaatctcca gcaccccccg gggttttacc atgttggtca ggctgggtctt 420
 gaactcctga cctcgtgatc cgcccgctc agcctcccaa actgttgga ttacagg 477

<210> 12350
 <211> 127
 <212> DNA

<213> Homo sapiens

<400> 12350

acagctgcgc	gtctgcggga	ataggtgcag	cgggcccttg	gcgggggact	ctgagggagg	60
agctggggac	ggcgacccta	ggagagttct	ttggggtgac	tttgataaaa	gaaacagcct	120
ctgacct						127

<210> 12351

<211> 276

<212> DNA

<213> Homo sapiens

<400> 12351

gcggataaac	aggaagcggg	cggtggaggc	agcagcagag	ggagagctcg	gggcttggag	60
gggaaacagc	ggaagaccta	agattatcgg	gagggcagca	gagggcagaga	acgaggacag	120
gacccttggc	cgtcttcttc	cagggaaacga	gaggtcacag	cctcgctctc	cgcttaggct	180
tctggcgccc	cagcttaaag	ccgaggctgc	ggctgacaaa	gggctcgcgc	cggtgccgcc	240
gcccttctca	tccgggcatt	cggttccttg	cggaga			276

<210> 12352

<211> 198

<212> DNA

<213> Homo sapiens

<400> 12352

aaataaacag	cggacggagg	ggccggcggt	ggcgganccg	agcaagcagg	ggttcggcgg	60
cattacctgt	acccattcac	cggcgggctac	cggcggcggc	gcgcangtgt	caggcggact	120
ttgaaaaagc	caagccccga	atggatcagt	atttcaacca	gatggaaaaa	atcattaaag	180
aaaagaagac	gtcatccc					198

<210> 12353

<211> 236

<212> DNA

<213> Homo sapiens

<400> 12353

cgaccaccgt	tgacctcgcc	atggccccac	gactcatcnw	gctctgcctg	gttcttcacc	60
ttctggcctc	cttgtcttta	cgtatatcga	cagcatagcc	ggccccacct	tgagtatgac	120
cgggcccggg	ccaaacagcg	gggacgtgga	accagactgc	tgtgctgtgc	cagtggagac	180
ttttggaact	gaggacagct	gaatgagggg	tagagtggcg	ctagggttca	ccagca	236

<210> 12354

<211> 442

<212> DNA

<213> Homo sapiens

<400> 12354

agacttcctc	cttcacttgc	ctggacgctg	cgccacatcc	caccggccct	tacactgtgg	60
tgtccagcag	catccggctt	catgggggga	cttgaacctt	gcagcaggct	cctgctcctg	120
cctctcctgc	tggctattgc	agttgctcta	cggttagccc	gggcgtgctg	gcagggatcg	180
tgatgggaga	cctgggtgctg	acagtgtctc	ttgccctggc	cgtgtacttc	ctgggcccgc	240
tggtccctcg	ggggcgaggg	gctgcggagg	cagcgacccg	gaaacagcgt	atcactgaga	300
ccgagtcgcc	ttatcaggag	ctccaggggc	agaggtcgga	tgtctacagc	gacctcaaca	360
cacagaggcc	gtattacaaa	tgagcccga	tcatgacagt	cagcaacatg	atacctggat	420

ccagccattc ctgaagccca cc

442

<210> 12355
<211> 150
<212> DNA
<213> Homo sapiens

<400> 12355
taaaaaatac attttgtggt gattctatat acagtatcaa atagttcagt tttccaaact 60
agatcatcca ttttctaaat ggtacgctgt tcttttttta aatggagata cagtttagcca 120
gcaataaaaat gtcttaactg ttctccattt 150

<210> 12356
<211> 90
<212> DNA
<213> Homo sapiens

<400> 12356
cctttcggcc gctaccgcca ccgccaccgc caccgccgcc gagtgctgtc tctatggcga 60
ggaggaggag gaggagcgcg agtcagcgac 90

<210> 12357
<211> 361
<212> DNA
<213> Homo sapiens

<400> 12357
aaccatcccc cctatacaca cacacacaca cacacacaca ccctgaaagg ctttccttgt 60
cttaagcctc tgtgtatgaa acactctgga acccaccggc ctaggtgtta gaacagcacc 120
gaagttgcca gggccagggg tccagccatc ctgacctctg ctagccacc tgcaagggcc 180
gatgttccca cgcaggaggc cccaggaggg tggtaactgag caaccggcca cacccaagga 240
aacagctcag agctcaactt cctcctgaat taggccacac ccgaggcctc ccgggtctca 300
tccagcctc tgggtccatc actaaacagm aggcacaatc ccactaactc ttactccaac 360
c 361

<210> 12358
<211> 143
<212> DNA
<213> Homo sapiens

<400> 12358
atattgtgttg astaggtacg tctacttagc catggcacga acaaagcaaa cagctcgcaa 60
gtccaccggc ggcaaggcgc cgcgcaagca gctggccacc aaggcggctc gcaagasgct 120
ccggccaccg gtggcgtaaa aaa 143

<210> 12359
<211> 404
<212> DNA
<213> Homo sapiens

<400> 12359
acggtagggg agcagagyaa ctgcgcgctg ccggcctgac ctgcgtccca gccctgctgc 60
ccagattcta ggctccaagc tcaggacctc aggatgggag atgaggagaa gcggaacagg 120
gccatcacgg ccgcaggca gcacctgaag agygtgatgc tgcagatagc ggccacggag 180

ctggagaagg	aggagagccg	ccgtgaggca	gagaagcaga	actacctggc	ggasactgcc	240
cgccgctgca	tatcccgggc	tccatgtctg	aagtgcagga	gctctgcaaa	cagctgcacg	300
ccaagatcga	tgccgctgaa	gaggagaagt	acgacatgga	ggtgaggggtg	cagaagacca	360
gcaaggagct	ggaggacatg	aaccagaagc	tatttgatct	gcrg		404

<210> 12360

<211> 389

<212> DNA

<213> Homo sapiens

<400> 12360

actttctcct	cttactttctc	accctgggga	attccaagac	attgtccttg	aaggaggctc	60
caagctcagg	acctcaggat	gggagatgag	gagaagcggg	acagggccat	cacggccccg	120
aggcagcacc	tgaagagygt	gatgctgcag	atagcggcca	cggagctgga	gaaggaggag	180
agccgccgtg	aggcagagaa	gcagaactac	ctggcggasa	ctgcccgcg	ctgcatatcc	240
cgggtcccat	gtctgaagtg	caggagctct	gcaaacagct	gcacgccaaag	atcgatgcgg	300
ctgaagagga	gaagtacgac	atggaggtga	gggtgcagaa	gaccagcaag	gagctggagg	360
acatgaacca	gaagctatct	gatctgcr				389

<210> 12361

<211> 277

<212> DNA

<213> Homo sapiens

<400> 12361

aaaggaacat	ggctctgaat	catgcctgtc	tgtctcccca	ggtctgtgct	taaaaccacg	60
aagtccaaga	tggaaactga	agggagaggt	gtcaagggga	tgggagagag	gacttgtcca	120
tgactttggc	agcataagga	aaaaataccc	agggacaagt	ggcgactttg	gaaactccat	180
tcctctgcaa	aatgacatca	caggagaggt	ggtggggcct	gcggatgaaa	agatctggct	240
tctcctccca	actctgctat	gaggtcagct	atggggc			277

<210> 12362

<211> 216

<212> DNA

<213> Homo sapiens

<400> 12362

aactttttcc	tctctccaat	tttgcaacga	cgggcgcgga	ggaggaggtt	cccggaagcc	60
acgcgcagat	gatgctggca	gataaacagc	tgtccagagg	tgacggggcc	ggacatgaca	120
aacaggatgc	aggaccatgt	cagagctgga	ggacgagagg	aagcagcgct	cgatggcagt	180
ggccgcccgg	aagaagctgg	agatggacct	gaagga			216

<210> 12363

<211> 96

<212> DNA

<213> Homo sapiens

<400> 12363

aactttttcc	tctctccaat	tttgcaacga	cgggcgcgga	ggaggaggtt	cccggaagcc	60
acgcgcactg	gagcagcggc	gaccgcagct	ggagggc			96

<210> 12364

<211> 150

<212> DNA

<213> Homo sapiens

<400> 12364

aggggtcacag	agtctggcgg	agtggaaaca	gcttggcccc	ggcaggagac	tagaagggct	60
ggaatctgtt	ttaggactgg	gattggagta	taacggggga	acggttaags	agctgnrgag	120
gaggrcwmna	gggaatggag	agaamtgagg				150

<210> 12365

<211> 436

<212> DNA

<213> Homo sapiens

<400> 12365

taaaatgttc	atgagggact	gaatactgaa	aactgtgaaa	tgtactaaat	aaaatgtaca	60
tctgaagatg	attattgtga	aatttttagta	tgcactttgt	gtaggaaaaa	atggaatggg	120
cttttaaaaca	gcttttgggg	ggtacttttg	aagtgtctaa	taaggtgtca	caatttttgg	180
tagtaggtat	ttcgtgagaa	gttcaacacc	aaaactggaa	catagttctc	cttcaagtgt	240
tggcgacagc	ggggcttcct	gattctggaa	tataactttg	tgtaaattaa	cagcnaccta	300
tagaagagtc	catctgctgt	gaaggagaga	cagagaactc	tgggttccgt	cgtcctgtcc	360
acgtgctgta	ccaagtgtgt	gtgccagcct	gttactgttc	tcactgaaaa	gtctggctaa	420
tgctcttgtg	tagtca					436

<210> 12366

<211> 236

<212> DNA

<213> Homo sapiens

<400> 12366

agagagcctc	ggctaggtgt	ggaaacagga	agagaactag	aactggaagt	aaagcattga	60
agatgtgact	gaattgctgc	aatctcatga	tcaaatttga	atggatgagg	agttgctttt	120
tagggatagc	caaaraaagk	nggtttctyc	garatggaat	ctactggttg	ctccttgagg	180
gcmggacagt	tcttatggct	ttatccgttg	cttaagcaca	gagaggtctg	cgaggt	236

<210> 12367

<211> 454

<212> DNA

<213> Homo sapiens

<400> 12367

agagagcctc	ggctaggtgt	ggaaacagga	agagaactag	aactggaagt	aaagcattga	60
agatgtgact	gaattgctgc	aatctcatga	tcaaatttga	atggatgagg	agttgctttt	120
tagggatgna	gcaaagaaa	tggtttctcg	agatggaatc	tactggtgaa	gttgctgtga	180
acattgttaa	aatgccaata	aaggatttag	gaattacaga	aacctgggtg	ataaagcagt	240
gccaggtgtg	gagagagttg	acttcaattt	tgaaataatc	cactggctgg	gtgtgggtggc	300
tcacacctgc	aatcccagta	ctttaggagg	ccgagactgg	tagatcattt	gaggtcagga	360
gttcaagacc	agccttgcca	acatggtgaa	acccacctct	accaaattag	ccaggtgtgg	420
tgcacacctg	tagtnncagc	tacttgggaa	gctg			454

<210> 12368

<211> 338

<212> DNA

<213> Homo sapiens

<400> 12368

gagtttctgg	agggctgaac	acgtggaggg	aaacaggaag	gtgaagaaga	acttataccta	60
tcaggacgga	aggtcctgtg	ctcgggatct	tccagacgtc	gcgactctaa	attgccccct	120
ctgaggtcaa	ggaacacaag	atggtttttg	aaatgctgaa	cccgatacat	tataacatcc	180
cctgagcaca	ctcattgggt	caagggttgg	ggatacacac	ggcagaattc	ggaaacaggg	240
tatagatcaa	caaatacaag	cgcagagccg	aagtggttcg	ggagatcgag	aatctaagac	300
aggaaagggc	ctcagaaggc	tttaacttga	gactcact			338

<210> 12369
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 12369	
tgataataat	taaacaggac gataaacata aattgggaac gtcccaggca aactagaatg 60
aatg	64

<210> 12370
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 12370		
aaaaagaaag	cttgccccag aggacttaaa caggcaagaa ggacttgggtt aaagactatt 60	
gcaatagtc	acttccaata caacagcagc tggagattta tarcywacgg gcntgggtnr 120	
aaggagttaa	aggatgctaa attactaaga ggaagttaag tatcaagagt ggggggattg 180	
ttactaaact	ggcttagctg gattcttgct gaagtgtgt tgcaggctr kggaggaggc 240	
ctggccaagc	aaaaagggct cagaggagcc tgactaaagc ttggtctagg gactccttgt 300	
caggtgagac	tcccgggaagg ctcgatggg cagctcacct caaagagata gttttgttgg 360	
tgccagagtc	cgcgcccagg ggaatcgga tggctgggct gtagctttcg gcaacctgtc 420	
gctttctgg		429

<210> 12371
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 12371		
aaaaatgtac	acgaaacagg gaggaattgg gagccctaag taaaggctga ggaagtgtct 60	
ggagtttaga	agagagggca ggagaaggaa gagctagatg ttgaagagga ggaagcagag 120	
ggattggctg	tcctaagagg gacccaagcc tgt	153

<210> 12372
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 12372	
ttttacagac	ttcacagaga atgcagttgt cttgacttca ggtctgtctg ttctgttggc 60
aagtaaattgc	agtactgttc tgatccccgt gctattagaa tgcattgtga aacgactgga 120
gtatgattaa	aagttgtgtt ccccaatgct tggagtagtg attgttgaag gaaaaaatcc 180
agctgagtga	taaaggctga gtgttgagga aatttctgca gttttaagca gtcgtatttg 240
tgattgaagc	tgagtacatt ttgctgggtg attttttaggt aaaatgcttt ttgttcattt 300
ctgggtgggtg	gaggggactg aagcctttag tcttttccag atgcaacctt aaaatcagtg 360
acaagaaaca	ttccaaacaa gcaacagtct tcaagaaatt aaactggcaa gtggaaatgt 420

agcggagaaa	cagtagttag	gatggctgaa	ggggatactc	accggctgaa	ggccgactgt	60
gattccccct	acccccacaa	ggcgattttg	acccccctgag	ggctgctcta	gaggactcag	120
gccccgaagc	tgtcccaggg	aggtccccgc	tgcattccac	cacccaagct	gtgcctcatg	180
gagtcgatgt	ttagcagccc	tgccgaggcg	gcgctgcagc	gmsagaccgg	ggtgcc	236

<210> 12377

<211> 312

<212> DNA

<213> Homo sapiens

<400> 12377

gaggggtggt	tgtagtgggtg	gcttaggaat	accctccccg	ctatcgcttc	agtgggtaga	60
ggggaccact	gcccagagagc	tttaatggag	ctgggtcctg	ccktcgcgck	gaggagccct	120
cgttttcgag	atcaggcctg	accgggataa	gctccagaaa	cagtattatg	tctcagtcct	180
gtgcaaagtg	agatgagctg	tagcctttgg	agacctataa	ttttgaacat	agntgttcct	240
taaaagctaa	atctttttga	acagatgatg	ataaacctgg	aagctgttct	tgragactaa	300
ttagttacac	tg					312

<210> 12378

<211> 360

<212> DNA

<213> Homo sapiens

<400> 12378

cctatcccat	atgtttgatg	aaaacatatt	ttatgtgcta	aattagggtta	atttaccaga	60
gattttagctt	agtgttttta	aactatagaa	caatacccct	atagaacaat	gtacagctgc	120
acccaagggt	aaaaagaggt	agcagggaaa	acaaacttaa	actctttgta	tatggtgaaa	180
cccatccctc	tcttgccttc	taatgggatg	tttacattat	ttcgttatta	tacaatgtag	240
tggtataaac	agtattatta	aactgaaggc	ataagttaaa	ggaagtatgt	tactttgagc	300
tgatgtaggc	tcttccactt	ttatctgtat	tttacttatt	tggggacttt	gtattgctag	360

<210> 12379

<211> 294

<212> DNA

<213> Homo sapiens

<400> 12379

caaagtatgg	ctttatTTTT	agtataaaca	gtcaaataaa	gcttagtctt	gtggcattgt	60
cagatttata	accaaataat	actgaaacta	atTTTTTTTaa	gttcaaaaaac	ccaatctagt	120
asmstctctc	ttatttttcaa	cttttatttt	agattcttagg	ggtacatgta	cagggtttgtt	180
actaagatac	attgtgtgat	gccggtggtt	ggagtatgat	tgaacctttc	atctaggaag	240
taagcacagt	acctaacagg	tgctTTTTTaa	cctgtgcctc	ccttctctcta	tccc	294

<210> 12380

<211> 438

<212> DNA

<213> Homo sapiens

<400> 12380

cagtttgatt	ttagttatac	acagagctga	cagtagctca	cacatccatc	cattcacctg	60
ctaacaaact	ctgctaatgc	agcagaaaaga	gataagcata	ctgttggtgc	caagcacaaac	120
ccccgcccc	caacacacac	ccatccccgc	ttgttctggt	tctctccctg	tcgttcgccc	180
tcattccatt	ctgcttgagt	aaacagtcac	tttagcaatt	cgggacaaat	ttctgtgctg	240
atacttactt	tggcacttca	cagttttggg	taaggtagca	ttgcttcacc	atggctcttt	300

<213> Homo sapiens

<400> 12385

cccaacactg	tcagcaaaaa	cctaggagaa	aacttaaaaa	tatatgaata	catgcgcaat	60
acacagctac	agacacacat	tctgttgaca	agggaaaacc	ttcaaagcat	gtttctttcc	120
ctcaccacaa	cagaacatgc	agtactaaag	caatatat	gtgattcccc	atgtaattct	180
tcaatgttaa	acagtgcagt	cctctttcga	aagctaagat	gaccatgcgc	cctttcctct	240
gtacatat	ccttaagaac	gccccctcca	cacac			275

<210> 12386

<211> 91

<212> DNA

<213> Homo sapiens

<400> 12386

tacatgttta	tagtctgagt	taatctcctt	tcttttagaa	acagtggctct	tgattctttac	60
tatgttttca	atttaagtag	tagataacag	c			91

<210> 12387

<211> 443

<212> DNA

<213> Homo sapiens

<400> 12387

agaagtgggt	ctcatctttt	tttgcagctt	aagatctgcc	ttggtatttg	aagagatata	60
aactagatca	atttctttca	caggatcaac	taaacagggt	gtactttttt	attatyaata	120
tcaatacnta	gakyttttaga	tatatmmaat	atagaatgaa	aattatrtat	tacaaagctc	180
ttaaaaaata	aatatacwww	gaccaaagtc	ttgattgata	ctttagttaa	ttaawratgt	240
gaagcattta	aracctttta	arataatttg	ttgttaaaaa	taatatttta	catttatgta	300
gtattwtgtw	gcttattgct	ttaatgtaaa	attacagtac	cattgctatc	ttaaaagtgc	360
tgaatgctgg	acgtgttctc	cattttacca	agtgagaaaa	taaagcaagg	arggtagaag	420
gaggtagant	agagattgac	ttt				443

<210> 12388

<211> 135

<212> DNA

<213> Homo sapiens

<400> 12388

tataaaagta	atgagaggaa	attgtattct	ggtattat	agactttagt	agataaaaaa	60
tagtgttcaa	atccatctgc	ttctttttct	gtccacttgg	ttaaaatgta	ttctggcatt	120
ctctgggcag	acagc					135

<210> 12389

<211> 200

<212> DNA

<213> Homo sapiens

<400> 12389

caagtaacag	ttcttcagag	gattaactta	accaaagtaa	acagttaata	aagggcagaa	60
ttgtgattta	gattccacat	ttttttctag	cagttcattg	gttttctggc	tgaattccac	120
agagccctag	attctgcaca	gggctttata	tggcatgtag	ggcaaggagg	aggctaagct	180
ccttaacttg	tatcatgtag					200

<210> 12390
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 12390
 gcaataattc attacctcat taatggatct gtcctttttc tttttaaaca gttccttatg 60
 ttagccatga aatctagctg gggctgtgtg gtttctgatt cccc 104

<210> 12391
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 12391
 ttgctttctta tgggtataata wagtatggwa gawtattgag tatatgttta ctctgggcct 60
 gggagaactt aacttttctag agcagtttgt tgacttgtgt gcaatgggga gaggtaccat 120
 gatgacactc acagggagcc actgttcact gacacttgga agcgggcatt gttaatatca 180
 cgggcgtaac actttgaacg atatagagat gcacaaacag ttgaacttag aagtagcagt 240
 attggcttta tgtaataaag ga 262

<210> 12392
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 12392
 taaaatttgc tagtggtttg aaaataataa tgtactgact acatgtatgc tgttattgtc 60
 agtgtttcct tctataaact gttcttttga aaaattaagt tatacataaa attcatatta 120
 aactttttac agaaagcata catgataaac agtttatggg acttctcaga atcattwcat 180
 aataagcaat ttatttagct taagttccaa cttactgttc ttattataaa ttgcaaagca 240
 acctgtctta cattcttaca ttatcttaaa ataaatattt ctg 283

<210> 12393
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 12393
 attttcttcc ccctttttac agataaggat attaataataa gaaaaaggca aataaattag 60
 catcctacat tcctaagtaa agtaggctct gttagtttct gctctccttc cagataccaa 120
 ggtgacttta taaacataaa ggaatccaat tcctcctgtg aatgacaaac aacc 175

<210> 12394
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 12394
 ctagacaaat tagaaacata agtcccagta gaaatgagat ttccataaag ttacttttag 60
 tgaatttaat akactctttc ttggtctgaa attcacccaa caacatgcat tccacaattt 120
 ttgtggagca accacaatac accatcactc tagggc 156

<210> 12395

<211> 363
 <212> DNA
 <213> Homo sapiens

<400> 12395
 gtgccanccg ggtctctcgc gcgassattt agtctgaggc gaacttcgga gcggcccgta 60
 ctgttgaaag cgacaagtgg aggcgcgcgt ctageggccg ggactctgaa ctatggcggc 120
 tagtgataca gagcgagatg gactagcccc agaaaagaca tcaccagata gagataagaa 180
 aaaagagcag tcagaagtat ctgtttctcc tagagcttca aaacatcatt attcaagatc 240
 acgatcaagg tcaagagaaa gaaaacgaaa gtcagataat gaaggaagaa aacacaggag 300
 ccggagcaga agcaaagagc gtgcttatgc gcgaagagac tgaactgaag acgctgcaga 360
 ctc 363

<210> 12396
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 12396
 ggggcggggc tgagtgggtg ggcacctagc tgctgcgccg gtgtttgtgt tggaagctca 60
 gctgatgcag gccggttgga gtggacgtca ttgccgggaa cgagcgagtc gccgctgcag 120
 ccctagtgcac tgcggcctgc atcccgattg tcttctcctc caaggtctac atgattacct 180
 gaagtttaat aagtaagacc 200

<210> 12397
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 12397
 gagtgggtgg cgacctagct gctgcgccag tgtttgtgtg gaagctcagc tgatgcaggc 60
 cggttgagtg ggacgtcatt gccgggaacg agcgagtcgc cgctgcagcc ctagtactg 120
 cggcctgcat cccggttaaga ccatgaatta tggcatttct taaatgaagc gttcaagaag 180
 tgagagaatg tcatagaaaa taaatgattt ttaagttatg tctattaatc tgactgtaga 240
 tatatatatt tacctcctta gtaatgcaag aagtgttngt gggaagcaga gaagcaagca 300
 actgtatttc ttgttctcac ctaagcatta ctggagggat aagccacatc agtctacaaa 360
 gaggttttca tacaacata ataagatgta aatggaccaa aagtga 407

<210> 12398
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 12398
 ccctttgaga accattagga gcagtgtgtc tcacatattg agagtgggca tctggccaca 60
 tacatgtatg tcatgtgtac acattcatca tgtatgtaaa catacacact cattagtttg 120
 ctagttaatg aaagagcaag ataaattgtg gag 153

<210> 12399
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 12399

tactttctta	gttaacatac	cagacccaca	atgggaaagc	agatgccacg	tggccaaatc	60
agtgactaag	tacttccgag	agagattaaa	gattcaatgg	aactctgcgt	ctctcatctg	120
gaacccagga	cacagaacaa	gggaggggag	amaagctcag	ccttaaacad	agcaagggtga	180
aacctttgtc	ctggggaata	gtctggcccc	ctccttgga	ccacactcag	actcaatgga	240
ctctgcctca	aatccacca	accttgtcag	cacct			275

<210> 12400
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 12400	
tactagagaa	atggggagag tataagcaaa ccaggaggct ttgtttgttt taaaatgttt 60
gctttatcca	gacccctata cttaaagatc tgacatataa caacaacaga aaagtatagt 120
tattggctcc	atttaaaaaa tatattatta taaggctctg atttcagagc ctcatgctgt 180
cattatggag	ttgaaggctg ggagtaagg 209

<210> 12401
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 12401	
caattatatt	ctaaacatat cctctccagt ttcagtgttt tttaatcaaa ccaccaggaa 60
tggtgcagca	gacaatgccg gtccatgtct ccccttcat ggcccttag ttgtcattaa 120
tgggtgactg	cagagaacca taggcatttg aggacttaac agagatatgt tttatattga 180
gagtg	

<210> 12402
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 12402	
acaatttctg	gaaggagcaa agaacatcct cggctctaag tagggctttt agtgtgtctca 60
ttgatgagtg	aaagtcgcca cacatgtcaa gctaaaggca gttgttgggt tactaacagg 120
accagcgcc	ttgcaaacat atgcgctaag ctgtgtatac agatggcagg cagaataatg 180
gagcaggcgc	cttttataaa gctctagctg ctgcctgtct tcagacctgg gaaatgaaac 240
tattcagact	tgcgccaga tagcgccctgc gattgtttgt taccgtttta atcctattaa 300
ttaaaacgtt	aacctgattg ggtagaaagc gctgtcccaa caggcgagtc ttcttcataa 360
taacctactc	agagataatg atgtaaaaga ctccccgcgc tgtggcggcg gctgtttgat 420
gggtccggaa	atctcttgaa ggtgaatc 448

<210> 12403
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 12403	
atatccgtgg	ttttgctacc tccaaccatg ggccttttgg gaatactttg ttttttaatc 60
ttncctgggg	aaaammtggg gamaggagca aacatatgtc atttcagcac caaaaatatt 120
ccgtgttgga	gcatctgaaa atattgtgat tcaagtttat ggatacactg aagcatttga 180
tgcaacaatc	tctattaaaa gttatcctga taaaaaattt agttactcct caggccatgt 240
tcatttatcc	tcagagaata aattccaaaa ctctgcaatc ttaacaatac aaccaaaca 300

attgcctgga ggacaaaacc cagtttctta tgtgtatttg gaagttgtat caaagcatt 359

<210> 12404
<211> 107
<212> DNA
<213> Homo sapiens

<400> 12404
tcacctgaac tggattgtct ttcatttcag tcagcactta gacatttcac aataactaaa 60
catcacattc caagtgggat gaattacatt aattgaatag agttacc 107

<210> 12405
<211> 99
<212> DNA
<213> Homo sapiens

<400> 12405
gtaaacatca ctgtattcct gtggggaggt ttacgggtta gaacaaaaca gaccttgagt 60
tcttagtcca tggacagagt tatttccgc cttgaccgc 99

<210> 12406
<211> 212
<212> DNA
<213> Homo sapiens

<400> 12406
atttaacacc aactatggag ttcagtatgt ggataggggg ttggcaatgt gtgataccat 60
taagcttcag accaaacaaa gacctttcat atatgaagct ctgttctaca cagctctaaa 120
catggcccca aacatcactt tgttgatttg agcaattgcc tataccttct cctggagtgc 180
tagggcactg gatatgtcag atagccgtaa gc 212

<210> 12407
<211> 380
<212> DNA
<213> Homo sapiens

<400> 12407
taaataaata atatggattg ttttaaaaaa tatccaagga tcagagtctc tttctaagct 60
ttgtaagcta agcaatagtt tatgtcctac tagatacact gcaaactaca gtggggattt 120
tatctggaca tcccaccatc aaagatcttg aaatagtaat agtatgaaa tactagataa 180
aattaatggt taaaatggtt ttgtaacaat aattttttaa acccacactc ttccatatat 240
ggggataaat atcacctaga aaagtagcct cactcttatt cctcaagaat taatatccaa 300
tgtttatgag tcttgcaatc aattttgttc atttttaatt tgcaaatcga taactgaact 360
aattgttct tattttttgc 380

<210> 12408
<211> 259
<212> DNA
<213> Homo sapiens

<400> 12408
atcagtgata aataagggag gctaagagta aagaagtata acttgacatt tcttctgcaa 60
gaaaaaaaca agaagatggg gactttcaag acctcagtca atgactaaag ttctgtgacc 120
acagtgagca tattactgcg gtaaccaggg cagtaatgtc aagacaaagg tcaggggttg 180

ctttaagaaa gaagcctgag aaccggaact acatagaggc cagaaaatca gtgtctacat 240
gctaaaggca attttcagg 259

<210> 12409
<211> 337
<212> DNA
<213> Homo sapiens

<400> 12409
attcacccaa caacattttt gatgcatgat gcatatgggtg ctaaagtctg ggaatgcaaa 60
cctgagtaag tgtctatttc aaatcaatag gagtacttga agattctccc tgcttacaat 120
gtaaacatca tgaagaaaga gatgtgttg acttggtcat cgctatatatt cctggctcag 180
atcctggcac tgagtagaca tcaagaaata tttaaataga tgaaagaatg aatgaatgaa 240
tgaacgaact gtgtcctctt gtagagctga ggggtgtttta ccactaccct aagagctgac 300
accaggaggt cttgctgcaa agccaggcac tgtattc 337

<210> 12410
<211> 417
<212> DNA
<213> Homo sapiens

<400> 12410
ctgaattggt tgatattgtc acctagcaga tatgtattac ttttctgcaa tgttattatt 60
ggcttgcaact ttgtgagtat tctatgtaaa aatataatatg tatataaaat atatattgca 120
taggacagac ttaggagttt tgttttagagc agttaacatc tgaagtgtct aatgcattaa 180
cttttgtaag gtactgaata cttaatatgt gggaaaccct tttgcgtggt ccttaggcctt 240
acaatgtgca ctgaatcgtt tcatgtaaga atccaaagtg gacaccatta acaggtcttt 300
gaaatatgca tgtactttat attttctata tttgtaactt tgcattgtct tgttttgtta 360
tataaaaaaa ttgtaaatgt ttaatatctg actgaaatta aacgagcgaa gatgagc 417

<210> 12411
<211> 76
<212> DNA
<213> Homo sapiens

<400> 12411
tgaataaaca tcctgggtata tgggtggacta ttaattatat aggtataaga gaactgaaat 60
atgaataata ctacc 76

<210> 12412
<211> 426
<212> DNA
<213> Homo sapiens

<400> 12412
gaaaagtgsn kccggtttga aatgcaagat ggcggcggcg tggcgctgag aggcgcggcg 60
gcccctgcag gagaagacag actgctgctt tggacctgtt ggtaatgatg gcctgagcta 120
aacatctaac tagaagggat acccttccat ttcaaagaac agaatgctaa ggaagctgtg 180
gtgattggag ttgtgcttca aaaatttcag aaattcagca gtattttatc tgccaacaat 240
aagctcttta cttgattgca ccatgagaaa gctgctaatt agacttggtg agcacaaaaa 300
tggacttgaa gaacaaaaag ccattgtttt caaatgaaga aactgaaca gttttaagcc 360
tcgatgcttt ttaatcacca ctgagctttt cctcataaca tcagaatggc agcaggcgaa 420
aatcaa 426

<210> 12413
<211> 69
<212> DNA
<213> Homo sapiens

<400> 12413
aataagatga atcttttggg ctcataattta gtataagatt taggccacaa acatctaatag 60
gagtcattgg 69

<210> 12414
<211> 267
<212> DNA
<213> Homo sapiens

<400> 12414
gggtcaagt actaagagca tgggtgggat gccttggcga tkayaggcga mgaaagacgt 60
gatagcctgc gataagcttc ggggagctgg caaataagct ttgatccgga gatttctgaa 120
tggggaaacc cacctcgcaa gaggtatcgc atactgaata cataggtatg cgaggcgaac 180
cggttgaact gaaacatctc agtagctcga ggaaaagaca tcarccgaga ttccgaaagt 240
agttgcgagc gaaatcgga gagcctt 267

<210> 12415
<211> 250
<212> DNA
<213> Homo sapiens

<400> 12415
ttaagttaga aaggggcgcac ggtggatgcc ttggcactag gagccgatga aggacgggac 60
taacaccgat atgcttcggg gagctgtaag taagctttga tccggagatt tccgaatggg 120
gaaacccact gttcgtaatg gaacagtatc tgtacctgaa tacatagggg actgaaggca 180
gaccggggga actgaaacat ctaagtacct ggaggaagag aaagcaacat gcgatttccc 240
aagtagcggc 250

<210> 12416
<211> 632
<212> DNA
<213> Homo sapiens

<400> 12416
ttaatatatt tactgcattg tttctcaatg gaccagtcac cagagactaa ttattgcact 60
taaataatttg cctgagatac tgcaacattc tcaaaccat ggttgacgta ttgtgacact 120
tagatctagg aagtttttgt agaactgctc tgtacctgaa tactttttga gagaattaag 180
atgtatcaat aatgctttgc catatgagtt ttttaaagta acttgttcaa tttactcacg 240
tgttctaaac atctttccat tacatgttct gtattttaat acattgcata ttgacaacta 300
ggttctataa tgtatgcttt gaaatttact tttttatagt ttacaggaat tttatttttt 360
gtgcctatct ctttttacac ctatgtgaac cactatggaa caacttaaat tttgtgccat 420
aaaaatattt ttgtggttaag gtactatttt tttagctcta gggatatatc agcaaaaaa 480
catcatgcaa tttgagacac ataattttgt gttgaatgag cacaacataa tttgaagcat 540
tgcaaggaga taaccagaca gcagaattaa atggctcctg ctttttcatt ttttaatttat 600
tgtcatatc ggttttcata ttttataacg gc 632

<210> 12417
<211> 93
<212> DNA

<213> Homo sapiens

<400> 12417
gtgtatccgc ggccgtagca gccgggctgg tctgtctgcg agccggcggc ccggagtggg 60
gcggcgagm aaacatgaac gttggagtgc ccc 93

<210> 12418

<211> 205

<212> DNA

<213> Homo sapiens

<400> 12418
actgaccctg ctctctcctt tccctgtag acatgggcac tccacagaag gatgttatta 60
tcaagtcaga tgcaccggac actttgttat tggagaaaca tgcagattat atcgcatcct 120
atggctcaaa gaaagatgat tatgtatgta taattttttt atgttggaaa gtttatttta 180
aagaagtgtg acagtcataa gcagt 205

<210> 12419

<211> 378

<212> DNA

<213> Homo sapiens

<400> 12419
cagtgatgtt tataccaatc tgtatatagt ataatttaca ttcaagtta attgtgcaac 60
ttttaacccc tgttggtcgg ttttttggtc tgttttggtt tgtattattt ttaactaata 120
ctgagagatt tggtcagaat ttgaggccag tttcctagct cattgctagt caggaaatga 180
tatttataaa aaatatgaga gactggcagc tattaacatt gcaaaactgg accatatttc 240
ccttatttaa taagcaaaat atgtttttgg aataagtggt ggggtgaatac cactgccaaag 300
ttatagcttt gtttttgctt gcctcctgat tatctgtact gtgggtttta gtatgctact 360
ttctctcagc atccaata 378

<210> 12420

<211> 567

<212> DNA

<213> Homo sapiens

<400> 12420
ggttttgggtg tggccgcatg gcgtgctgtg gtgcagggtg ccgaaggggc gttactgttg 60
cgactggcat ccgcatccgg cagatgtaga tggaaacaaa gtccagaagt tacgcgtcac 120
ccttgctcta cagccaaaca tgcaggactc tagtaaccgg cgaaatgatg ggatagcgtt 180
gcaaatcctt aaaagagtct taacgctctt gggttgatag cttatggcag tgatagtcaa 240
gtgtatcacg ccgtgaagtc aactgtttgg aattcagctt tagtacgact atcccagaga 300
gactactaaa caagttcact acagtgcacg aaaatccagc tttggagaaa cttctgacca 360
gcaagtcaga agtttcaaag aaaacttctt tggtttcaaa gaaaaatcag ctaggaaaag 420
atactgagga gtctgtgaat agatggagtg gagtragcta gtagatggtg aaggcgtgc 480
tcacgaaaga aacagaggtg gtgccagggt cttcagaatc tgagtgcga cactggrcac 540
aaactactca ctgactgggg agcagct 567

<210> 12421

<211> 368

<212> DNA

<213> Homo sapiens

<400> 12421

acgtcatttc	ggggcgaccc	tcttcttggc	gtagagtttt	cagattgctc	ttgggaacca	60
tgccgaaagt	agtgtctcgg	tcagtagtct	gctctgacac	tcgggaccgg	gaggaatatg	120
acgacggcga	gaagcccctc	catgtttact	actgtttgtg	cggccagatg	gtcctagtgc	180
tggactgcca	gttagagaaa	ttgcccatga	ggccccggga	ccggtcccgt	gtgattgatg	240
ctgccaaaca	tgcccataag	ttttgtaaca	cagaagatga	ggagcatccc	cccccccgcc	300
caccagacct	gttctgacct	catgagtktn	aaacgtgccc	nccagtnctt	taggagatgt	360
yatgacaa						368

<210> 12422

<211> 504

<212> DNA

<213> Homo sapiens

<400> 12422

aagggtcctt	caggtaggag	gtcctgggtg	actttggaag	tccgtagtgt	ctcattgcag	60
ataattttta	gcttagggcc	tggtagctag	gtcggttctc	tcctttccag	tcggagacct	120
ctgccgcaaa	catgtctcgc	cagatcatcg	gtcaggccaa	gaagcatccg	agcttgatcc	180
ccctctttgt	atattattgga	actggagcta	ctggagcaac	actgtatctc	ttgcgtctgg	240
cattgttcaa	tccagatgtt	tgttgggaca	gaaataaccc	agagccctgg	aacaaactgg	300
gtcccaatga	tcaatacaag	ttctactcag	tgaatgtgga	ttacagcaag	ctgaagaagg	360
aacgtccaga	tttctaaatg	aaatgtttca	ctataacgct	gctttagaat	gaaggctctc	420
cagaagccac	atccgcacaa	ttttccactt	aaccaggaaa	tatttctcct	ctaaatgcat	480
gaaatcatgt	tggagatctc	tatt				504

<210> 12423

<211> 192

<212> DNA

<213> Homo sapiens

<400> 12423

aagggtcctt	caggtaggag	gtcctgggtg	actttggaag	tccgtagtgt	ctcattgcag	60
ataattttta	gcttagggcc	tggattctcc	attgcacttt	tatttgaatg	taataatttg	120
gacaattatt	caaaaaggcc	aatatttccc	aatttaattc	gaggtcataa	taaaacaagc	180
aacaaaaagg	ga					192

<210> 12424

<211> 422

<212> DNA

<213> Homo sapiens

<400> 12424

aagggtcctt	caggtaggag	gtcctgggtg	actttggaag	tccgtagtgt	ctcattgcag	60
ataattttta	gcttagggcc	tggtagctag	gtcggttctc	tcctttccag	tcggagacct	120
ctgccgcaaa	catgtctcgc	cagatcatcg	gtcaggccaa	gaagcatccg	agcttgatcc	180
ccctctttgt	atattattgga	actggagcta	ctgaagcaac	gtgctgctga	gttgaaaatt	240
aaaaccatga	aatttgaact	gcgttttatt	tttcacctgc	tgaaagaaca	ggatcctaca	300
gcaattaaaa	aacaatcaca	taaaaattat	agcgtgtgtr	caaactcttg	aggggttgatt	360
atgctgcaat	ttagcatgtt	ggaacgtcta	gggagaagg	tgactttttg	cacttctgta	420
ta						422

<210> 12425

<211> 369

<212> DNA

<213> Homo sapiens

<400> 12425
aagggtcctt caggtaggag gtcctgggtg acttttgaag tccgtagtgt ctcatcgcag 60
ataattttta gcttagggcc tgggtggctag gtcgggttctc tcctttccag tcggagacct 120
ctgccgcaaa catgctccgc cagatcatcg gtcaggccaa gaagcatccg agcttgatcc 180
ccctctttgt atttattgga actggagcta ctggagcaac actgtatctc ttgcgtctgg 240
cattgttcaa tccagatggt tgttgggaca gaaataaccc agagccctgg aacaaactgg 300
gtccccctgt actcgcaata tgscttttca aaggagagag mgttattggn taacactttg 360
gtgtgrgta 369

<210> 12426
<211> 309
<212> DNA
<213> Homo sapiens

<400> 12426
tagttatatg taaggttacg tgggtccagta atgtcttaga ttgataaatt aggtatggaa 60
tccatcagtg ttacgtgatg agaatagggtg aacacacctt gtcagtgatg atgtaaactt 120
ctctccttgg caggacatgg gcaaacatgc tgattgggtgc aaatgtgggtg ccgagctgtc 180
catagctgca gtgaaagatg aagagcaaga ctttctctag gttttctagc tttcattaaa 240
tgtrtttttt tccccagagc taatttgana gttgattgga ccamtgwgga tgggggtgtca 300
ttaagaatg 309

<210> 12427
<211> 217
<212> DNA
<213> Homo sapiens

<400> 12427
aacaaaacaa gggcagcggg cccggcgcg gggctcacgc ctgtaatctc agcacttttg 60
gaagccaagg cgggcgaatc acttgaggcc cctagaaggg ctaactatgc cttttctgag 120
tcttccacgc ggtgggggcg aaggaggatg gagctagaac gaagcctcag cgcgtgcccc 180
gcacaaacat ggcagcattc ccagcagccc taaaccg 217

<210> 12428
<211> 413
<212> DNA
<213> Homo sapiens

<400> 12428
acccggctcg gccactgctg ggccggacacc tggggcgcgcc gccgcgggag gagcccgag 60
tcggggccgag gctgcccagg caatgcgttc actcggcgca aacatggctg cggccctgcg 120
cgccggggcg tctgctccg cgatccgctg gcacccagca gctggagggg ctgtcagcca 180
tggaggtgga aagtcagggt cargctgrca gcggsycgtc aycacagana cagcncagca 240
wgcccagnrt gcaaaacctc aanntcaacc gcagaagagg aaagccgaaa actggratat 300
kaatgctaaa catggnargc cctgaaactc ttggagatgt tcacgacttc cttctgrgac 360
tcttcttggg ccaagrctc atggacactt cctattcaga ataagctggc acc 413

<210> 12429
<211> 466
<212> DNA
<213> Homo sapiens

<400> 12429

agtcagtgcg	caaccgttcg	ctaactgaaa	tgatggcgac	tggaacgcca	gagtccaagc	60
gcggttcggt	cagtcctgta	aggggcttct	cacggagaag	gtgaccacct	gtggtactga	120
cgtaatcgcg	ctcaccaagc	aggtgctgaa	aggctcccgg	agctccgagc	tgctagggtca	180
ggcagctcga	aacatgggtac	tccaggaaga	tgccatcttg	cactcagaag	atagtttaag	240
gaagatggca	ataataacaa	cacatcttca	ataccagcaa	gaagctattc	agaagaatgt	300
tgaacagtca	tcggtatctac	aggaccagtt	gaatcatctg	ttgaaataga	atgacattaa	360
ctcagaggag	atacgtgttt	tatttgtgat	agcaaattcc	taaatgaaca	ttaggcaagt	420
ggtatcatta	tcaggcsagc	tgcagcctct	tgccttgacc	tgcattc		466

<210> 12430

<211> 269

<212> DNA

<213> Homo sapiens

<400> 12430

aaatttaagc	ctgtggcatg	gaacctaaag	actagaggcg	gttgtgtgag	tcaggaagag	60
ggggccagata	tctgagtgtt	cctcttttagt	ttcttcaatt	gcaggaaaga	cagtggttcc	120
tgactcagga	agacagtctc	agaaacatgt	ggaatgatat	tgagctgcta	acaaatgatg	180
ataccggaag	tgggtacctg	agtgtcgggt	caagaaaaga	acatggaact	gctttatatc	240
aagtagattt	gctagtgaag	atctcttct				269

<210> 12431

<211> 149

<212> DNA

<213> Homo sapiens

<400> 12431

cttgtcctct	cattccctcc	ctgtgacatc	aaacattata	ttaatTTTTc	cttaaaattc	60
agatcatagt	ttttaaaatt	ataaatcaat	gtttacttta	acttaataca	atctactggc	120
tcttttgctc	accactgttt	cttatatcc				149

<210> 12432

<211> 142

<212> DNA

<213> Homo sapiens

<400> 12432

tgagaaggag	caattttgtt	cgtttgaagt	cctgggggtct	tttgcccttat	tgtgctacac	60
taactgtttt	ggaaacattc	attgatgtac	ttgccagcca	atTTtagtgt	aaagtgcccn	120
ntttccttca	gaatcttaca	ct				142

<210> 12433

<211> 556

<212> DNA

<213> Homo sapiens

<400> 12433

cattcaataa	aattgggggtg	cctaattgcta	ctggaagtgg	aacttgagat	agggcctaata	60
ttgttatata	tattagccaa	catgttggct	tagtaagtct	aatgaagctt	ccataggagt	120
attgaaaggc	agttttacca	ggcctcaagc	tagacagatt	tggcaacctc	tgtatttggg	180
ttacagtcaa	cctatttggga	tacttggcaa	aagattcttg	ctgtcagcat	ataaaatgtg	240
cttgtcattt	gtatcaattg	acctttcccc	aaatcatgca	gtattgagtt	atgacttgtt	300
aaatctattc	ccatgccaga	atcttatcaa	tacataagaa	atttaggaag	attagggtgcc	360
aaaataccca	gcacaatact	tgtatatattt	tagtaccata	cagaagtaaa	atcccaggaa	420

ctatgaacac tagaccttat gtggtttatt ccttcaatca tttcaaacat tgaaagtagg 480
 gectacatgg ttatttgctt gctcacttta tgtttacatc toccacattc ataccaatat 540
 acgtcaggtt tgcnta 556

<210> 12434
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 12434
 aaatgggtac atcaagtcag aatgatgttg acatgagttg gattcctcag gaaacattga 60
 atcaaataca taaagcttca ccaagaaggt tgcccaggaa acgggcacag aagagatcag 120
 tgggatctga tgagtaaagtt ttcctttgtg caacaattcg gtctacttaa cctgccctaa 180
 tatttttcgg cctgatggga attagtgcag agaagccatg tcaccataga agccaactcc 240
 tacttggtgtg tggactgagc aatcagagt 269

<210> 12435
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 12435
 agaaggaagg cgggagtcct gactgcaaac attgaggaaa gccaggcagt agaggccgct 60
 atggcgaacg ttccgtgggc agaggtctgc gagaaattcc aggcggcgct cgctctgtcg 120
 cgggtggaac tgcataaaaa tccggagaag ga 152

<210> 12436
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 12436
 ctntctttct tctgtctgc ttggaaagat ggcgtcccg c aaggaaggta ccggtcttac 60
 tgccacctct tccagctcca ccgccggcgc asagggaaag gcaaaggcaa aggcggctcg 120
 ggagattcag ccgtgaagca agtgacagata gatggccttg tggattaaa gataatcaaa 180
 cattatcaag aagaaggaca aggaactgaa gttgttcaag gagggtcttt gggctctggtt 240
 gtagaagatc ggcttgaaat taccaactgc tttcctttcc ctcagcacac agaggatgat 300
 gctgactttg atgaagtcca atatcagatg gaaatgatgc ggaccttcgc catgtaaaca 360
 ttgatcatct tcacgtgggc tggatatcag ccacatacta tggctcattc gttaccggg 420
 cactcctgga ctctcagttt agttaccagc atgccattga agaattctgtc gttctcattt 480
 atgatcccat aarrctgcc caaggatctc tctcacta 518

<210> 12437
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 12437
 gatgctggga tggagcaaac attgatttgt gctgggatgg aatcggaatt ttgatttatt 60
 tttcctctcc caaccataag aagaaaaaaa taataaaaac acccctctt gagagccccc 120
 tcccccttg catccagctc ccagctcttc ttcctatct ccatccaagg cagatttttt 180
 cccc 184

<210> 12438

<211> 213
 <212> DNA
 <213> Homo sapiens

<400> 12438
 tattcgttat gaacttgact atatcttata attttattgt ttattttgtg tttaatgcac 60
 agctacttca caccttaaac ttgctttgat ttggatgatg aaacttttaa acattgcaga 120
 tcagtgtaga actggtcata gaggaagagc tagaaatcca gtagcatgga tttttaaata 180
 acctgtcttt gtttttgatg ttaaacagta aat 213

<210> 12439
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 12439
 tctttcagaa gtttggtaaa cattgggatt gtccttgcac ctgaacatct ttcccagtgc 60
 tatcagtata catctagaga ggaaatgcaa tgtgacagtg ttacatttgg agagaagtgt 120
 gaaatctaac caatcgctag cacatatttg ttgtaatacg gtggtttatt tcatgtttgc 180
 atactataaa atctgaattg atgtgaaata tctg 214

<210> 12440
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 12440
 catacataaa catttcctag ttctgtccat tgagcgagca cagcacagat gcagttactc 60
 cccagtaata atgagcatac ctgggtgccc gatcttcgct tgtaaacatt ttcttttctt 120
 ttcttttttt tt 132

<210> 12441
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 12441
 ttttaaggat aataagagac acttacaac tattctctct gaagcctgct acctggaggc 60
 atcatctaga taatcagaac ctgggttcc acatcctcct cccttgctt aactacaac 120
 atttctttct gctgacttca gtcctcagg tagagtttaa ccgtttcaac caattgccat 180
 taggaaatct ttaaaccac ctatgcacct atgacctgga ca 222

<210> 12442
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 12442
 cttaaamgaa gaagcatctg attaccttga attggataga attaaaatct cgtcaaaaaa 60
 tattcacagt tcataaactt tcctatttat gtatggagca gcaagactga aactgttgag 120
 gagcccatgg aggaagaaga agcagccaaa gaagagaaag aagaatctga tgatgaagct 180
 gcagtagagg aagaagaaga agaaaagaaa ccaaagacta aaaaagttga aaaactgtct 240
 ggga 244

<210> 12443
<211> 222
<212> DNA
<213> Homo sapiens

<400> 12443
cctctcctgg aatcaatctt ccaaccccc tccccacatc tcagagacaa tgggtgaacat 60
gaaatattat aactgtaaact actgaaacat tttataagag tgggaagcac tttttttttt 120
cttttatcaa ttcaaaggct tacaagata cagaatgatc aagtcatatg taaccatctc 180
ttcaaagtct cagtgcctac ttggaagcat gtcttgccac ct 222

<210> 12444
<211> 417
<212> DNA
<213> Homo sapiens

<400> 12444
gtaatcatgg agtacttgat ccagtcatat ttcatatcac aatgtatcca atgggtggaaa 60
cattttccct ctggagacca gaaatctgga cttgtaaaaa gaacaaattc cccatgtgtg 120
ccacttgatc aatgttaagt ggtcactcat ttccctcccc tcccccttta tttctagggtg 180
catgtattct gcatagtaga tgtagaacag ataatcatcg acaggctcat aattaagggt 240
atacagttta acctggaaga tgcctgatca tcacaagttg tccttaagat ggcatttcag 300
cttcattttt aagaggggcat ttcagggggc aggcacgggt gctcatgcct gtaatcccag 360
cactttggga ggccgaggca ggcagatcac ctgagctcag gagttcaaga ccagcct 417

<210> 12445
<211> 200
<212> DNA
<213> Homo sapiens

<400> 12445
gacaaattaa aacctagagt agtgcttatg ctgaaatgat acttttccatt ttttggttga 60
tttttttgcc ttcccttcaa ttttaaactg aagcatttta atgtgggtag aaactctaca 120
ccarrtacac taaacatttt ggtgcttagt ggatttmitt taggtaactg gtactkactt 180
ccaaagactg aatacaagcc 200

<210> 12446
<211> 250
<212> DNA
<213> Homo sapiens

<400> 12446
atttgccaaa tcttgccagc ctgataaaca tttttctttt gggggctggc atctcgtttc 60
ctccttcttc tcttctgaaa tgattatagc aatttttgta cttcaaggaa ttggtgagaa 120
ccgggtacct actatatact cgataaatga ataataaat aaatgagatc actaataagg 180
agtgcacatg aaggtcacgc tggatcatgg aaagtgggtg acataaaatg cgacttgtga 240
ttctgaagca 250

<210> 12447
<211> 511
<212> DNA
<213> Homo sapiens

<400> 12447

catccgtgaa	cgagctgggc	atttgatgag	acagggccga	atactgcagt	tttctctcta	60
gaaatcctct	ggggcatttt	ctttgaactg	atgggaacaa	taaggcataa	ctgtttgac	120
aaacttgga	taaatgattt	tgggataacg	atctaccaga	atagggatat	ttcacccttg	180
gttctgagat	gcaaaccaaa	gaatatcatg	accagctttc	aggcctcctg	aagtatatcc	240
ctcaaattgt	cctgtttctca	tgctgaggag	cctgagatcc	ctgtgtgggg	attagacagt	300
ggactgttat	gggtgtaggt	gaattggctt	attttgtctg	tccctgcctg	aatgtattgc	360
aggaattaaa	aaggaccaag	aagaggaaga	agaccaaggc	ccamcatgcc	ccaggtaact	420
gagcaattgt	gaacagctac	ttctgtgttg	acatctggag	actcctgggt	cagggaaaac	480
agagcgggct	gacattatcg	attacatctt	t			511

<210> 12448

<211> 208

<212> DNA

<213> Homo sapiens

<400> 12448

gctacggtgn	ntgacaagat	ggcggtcggc	ggwgtgtcgc	tgcggcgccc	gagtgccggc	60
ttctccccta	cgcgtacac	aagtggagct	ccttttcctc	cacctacctt	cccgagaaca	120
ttttagtggg	caaaccaaat	gaccaatctt	caagatggtc	ttcagagagc	aactatcctc	180
cccagtactt	gattctaaag	ctcgaaag				208

<210> 12449

<211> 374

<212> DNA

<213> Homo sapiens

<400> 12449

cactgattaa	ttttaagaac	cttttaggga	tgcaggaaca	atgaagtggc	cacagtatgt	60
gctgtttttg	aagcattttt	aaaaacgaat	tgtagttttt	tcttcattta	aaatggatct	120
gttggagggt	atgtgtgtat	gttgtagt	tattggcagc	cacaataatt	ttaccaaagt	180
tttcacatag	ggcagttagc	ctttacttaa	tatcaagaca	agtgaaaaaa	tattggcatc	240
gatgaaaccg	ataacattgg	cctcatttga	tttctttacc	cattcacagt	gtaaagaagt	300
taccttcattg	ctttcattgt	acctgcaggc	ctgtgggctt	gtacagtaga	taattaattt	360
ctaaaaagaa	cagc					374

<210> 12450

<211> 419

<212> DNA

<213> Homo sapiens

<400> 12450

aagcaaggct	cagcctcaag	attcacagca	tctcagacgc	agcctaggcc	gcaccaggat	60
gtcggacacc	gaggagcagg	aatatgagga	ggagcagccg	gaagaggagg	ctgcggagga	120
ggaggaggaa	gaagaggaa	gccccaaacc	aagccgcccc	gtggtgcctc	ctttgatccc	180
gccaaagatc	ccagaagggg	agcgcgttga	cttcgatgac	atccaccgca	agcgcattgga	240
gaaagacctg	ctggagctgc	agacactcat	cgatgtacat	ttcagacagc	ggaagaagga	300
ggmgaggagc	tggttgcctt	gaaggagcgc	attgagcggc	gccggtcaga	gagagccgag	360
caacagcgct	tcagaactga	gaaggaaacgc	gaacgtcagg	ctaagctggc	ggaggaaaa	419

<210> 12451

<211> 245

<212> DNA

<213> Homo sapiens

<400> 12451
 acatgagatg atgcgctttt agcaccacc tggcactctg tgagtttgc atgatttggg 60
 cataattcct tcctctccta agcaggcagc agttcacctt ggttaaggac cttggacctt 120
 agaccactca gacgctaaca aaccaaggag aaaccagcc gtgtcaggcc tagaaatgtc 180
 tgccccacc cccaccccc tcaagacggt gactaggccg gaattctcct ggttgataaa 240
 tgaga 245

<210> 12452
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 12452
 agccttgtga ctcaacttga ctagtagaag gtggaagtga tattatgcc a ggtccagact 60
 taggccttag gaggcctggc agtttccatt ttcacctct tgggatccag ccactatgaa 120
 accaagttca cctgctttat tggagagaga aatgacctag aagatgaaag acagcaaagg 180
 gagagcagga tgcccagcca gccaccagcc attctgaccc cttcagctga ggcactgcat 240
 ggacagcgt ggggagaatg aacgcctgag tactcatgtc tttatgcact gtagtattat 300
 ttcccttaca cagactcctg aacctggaac ggcagtgtca aaggattcac aaaatgttag 360
 acttctgaag caaatcagat ggcacctttt ttgaataatg aagagtcttt 410

<210> 12453
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 12453
 ataaaccaat cgtggagctc caattgtctt ggtggtgagg tgaatcaata gccattact 60
 ggatagaaca gcgactacag gaagagcatt gaagatttta atgcatgaat tatgcatgca 120
 gcgctcattc tttagtctcc gaacagaatg acagggtttg tgaagtcgcc tcagatagtt 180
 tcttgcatga rgtgactgca gtgaaatgct taatattttc aggcatagaa gcagcattga 240
 ctcggg 246

<210> 12454
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 12454
 gattcaaaga gacaagttga gaaagaggaa accaatgaga tccaggtggt gaatgaggag 60
 cctcagaggg acaggctgcc gcaggagcca ggccgggagc aggtggtgga agacagacct 120
 gtaggtgga gaggcttcgg gggagccgga gaactgggcc agacccaca ggtgcaggct 180
 gccctgtcag tgagccagga aaatccagag atggagggcc ctgagcgaga ccagcttgtc 240
 atccccgacg gacaggagga ggagcaggaa gctgccgggg aaggagagaaa ccagcagaaa 300
 ctgagaggag aagatgacta caacatggat gaaaatgaag cagaatctga gacagacaag 360
 c 361

<210> 12455
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 12455
 atgtattagt ccctgcctg accctttcca gctctggaag ctttctgat ctttctgag 60

taggtcgctt	aacccgtgga	acactttcct	ctttctgtgt	gaagtaagg	gtttggatta	120
agtaatcccc	gaggccccct	cctggattct	ccctaaggat	tggtccagag	cagaaaccaa	180
tgccccggaa	gataagcttg	atgaccacac	caccga			216

<210> 12456
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 12456						
tttctctata	tggtctccac	aacaatttca	ttgttgtag	catatctatt	tctccatata	60
ttgtaaaact	gtaatcctta	ggtatttcta	aaacataaag	aggagaatta	agtcagctgc	120
agaacaatgg	ggctgattct	tctgctttct	ctggaaaatc	tttcattgct	tttgggtggaa	180
atttacctag	aggttacaac	cacaggatgt	agcttggtct	cttatttgcc	tttttgggaa	240
accaattaag	attaatac					258

<210> 12457
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 12457						
agatactctg	gtttctcttc	anaycgyata	aatctttcgc	cttttactaa	agatttccgt	60
ggagagraac	raststgagt	ctkaamccaa	ttttttgagg	ccttgcggtt	cttagcaggg	120
cttatttttaa	gtgttttaaa	aacagatgcg	attccgttaa	atcgcggtg	gagctatgta	180
aagtgtatta	tagaayaaat	gcgagttacg	gtttttcagc	ttttcgcttt	gttaagggtat	240
gtgatataca	ttgtattgca	tttctgagca	gttatartat	taagatggtg	gggtggctta	300
ctgcttttga	ccaagaagta	gggtttggtg	ggt			333

<210> 12458
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 12458						
cactcctggt	agatgggata	aggattcttg	gattctggtg	tcttaaacca	catgcctacc	60
gtagtactca	ctcaaatatg	tggtggatga	acataaatac	ttgctgcttt	tgtagcatc	120
tggttagccc	tgtattccaa	atactgactg	aagaatgata	ttctctgatt	acattggat	180
tcaatttctc	taactaccct	ccccctttga	aaaagggt			217

<210> 12459
 <211> 673
 <212> DNA
 <213> Homo sapiens

<400> 12459						
tagaggaaat	cacaaaaatg	tcttgacatt	ttactcttaa	aacatgaaag	attggaatac	60
atttttaact	aatgtaatgc	ataattaaga	aacatgttcc	agtactttat	gttgtaaatac	120
tgatctatgg	atatgcaaac	ctctggagat	gatcctacca	gattctacat	acattgcata	180
atttttatca	gttaatgcga	gctttttttt	ctcttctcag	cttaaggggt	tgtcaaagcc	240
aatgttatcc	ctagaaaaac	atttttgtca	ctgctgttga	ttaacaagaa	aatcaaggaa	300
actcatgttg	gcttatgctc	aaaccaccaa	tgtgattgta	aacttctcca	gacaaactta	360
accttttggt	tcttaatttt	ttgttttgag	tggtgcttct	cagccctggg	ataggtctca	420
gccccacagc	aggatctcaa	taaagtctta	ttgacagggt	ggcatagtaa	ccacagggtg	480

ttatcaaagg	accaataggc	tggggacaaa	ttatgcttgg	ccccctcaga	ggcttataacc	540
tccaaagcag	atttataaat	cagtaactca	aaactttarg	aagtagttga	gtctacaaaa	600
tattcaaagc	agtwacctaa	ataaggttat	ttaatgtaac	agattatata	cttaaagtga	660
tctgagcaat	cat					673

<210> 12460
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 12460						
atcaaccctt	cttccaccaa	accacccaac	tcctctctac	tcttatcctt	ttatccctgt	60
ctctgcttat	cacctctctt	gcgtattntg	gatctccttc	cctcctttct	cgcccaaatc	120
atgaaatggt	tggccttagt	caatrtctat	gcccgtcaca	taacagccga	ggcaccgagg	180
cccacagaga	agcagctggg	agcttggaag	cctgggtctt	tgaatttcaa	acctgggttc	240
ttacaggtgg	ttgtytggtg	ktgggtgrag	tggcracagg	atagagctga	aggactatgc	300
aatgaggaa	gtaagtcagg	g				321

<210> 12461
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 12461						
tttagctgct	tttaaacctt	atccaaaggt	tttggtttaa	acattttggt	gcagtgaata	60
aaagatatga	agcaatacag	tactcttcaa	agaagtccaa	taaagatgaa	aaatatcatt	120
aggtattttg	agcacagacg	gagatccatg	tgataaaata	gattccttct	gctgggtctg	180
gaaagtcttg	aaaccacctg	taggcctt				208

<210> 12462
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 12462						
acatgtgcag	gatatgaaat	tgctgaggca	tcaactgctt	cctacttccc	ttccaagtct	60
cagctccctt	attttaaaaa	atatttggtc	tcaatgatca	tttctcaaca	attcctcacc	120
gcagagcctc	tgaagctccc	accaggccag	ctctcctccc	acaacagctt	cccacagcat	180
gaagatctcc	gtggctgcca	ttcccttctt	cctcctcctc	accatcgccc	tagggaccaa	240
gactgaatcc	tcctcacggg	gaccttacca	cccctcagag	tgctgcttca	cctacactac	300
ctacaagatc	ccgcgtcagg	nattatggat	tactatgaga	ccaacagcca	gtgctccaag	360
cccgaattg	tcttcatcac	caaaaggggc	cattccgtct	gtaccaaccc	cagtgaaga	420
tgggtccagg	actatatcaa	ggrcatgaag	gagaactgag	tgaccagaaa	gggggtggcg	480
aggcacagct	cagagacata	aagagaagat	gccaggscoc	ctctccaccc	a	531

<210> 12463
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 12463						
acatgtgcag	gatatgaaat	tgctgaggca	tcaactgctt	cctacttccc	ttccaagtct	60
cagctccctt	attttaaaaa	atatttggtc	tcaatgatca	tttctcaaca	attcctcacc	120
gcagagcctc	tgaagctccc	accaggccag	ctctcctccc	acaacagctt	cccacagcat	180

gaagatctcc	gtggctgcc	ttcccttctt	cctcctcatc	accatcgccc	tagggacca	240
gactgaatcc	tcctcacaaa	ctgggggggaa	accgaagttg	ttaaaataca	gctaaagttg	300
gtgggggggac	cttaccaccc	ctcagagtgc	tgcttcacct	acactaccta	caagatccc	360
cgtcasgagt	tatggattac	tatgagacca	acagccagt	ctccaagccc	ggaattgtct	420
tcctcgccaa	aagggggccat	tccgtctgta	ccaaccccag	tgacaagtgg	gtccaggact	480
atatcaagga	catgaaggag	aactgagtga	cccagaaggg	tggcgaagca	cagctcagag	540
acataaagag	aagatgccag	gscctctctc	cacca			576

<210> 12464

<211> 561

<212> DNA

<213> Homo sapiens

<400> 12464

gtgtagcttt	tggttttaag	tgatctctcg	ctgaggactc	atcaaaaaaca	ccttggtgtaa	60
tgaaaaaccc	agatctataa	cctctcccta	tatattctgc	atgcattgaa	gtaggctcaa	120
accctcaggg	acctggtata	gacgcagaat	ctgtttcaca	caacaactgc	tatttgaagg	180
aaaaaaaaaa	rgargcaaat	gataccaaga	caagctcata	acagagatcc	aatcagcaga	240
tgtgtacgga	tgaaaataca	gtgagatgag	tcagaaaccg	gccaaggagg	gtcccagact	300
ctccaaaaac	cagaagtact	ccgaacactt	cagcatacac	tgctgcccgc	cgttcacctt	360
cctcaattcc	aagaaggaga	tagtggatcg	gaaatacagc	atctgtaaga	gcggtgctt	420
ctaccagaag	aaagaggagg	actggatctg	ctgcgcctgc	cagaagacca	gattgaaaag	480
gaagatcagg	ccaaccccaa	agaagaagtg	accaaggagg	agtttaaact	gaatgaacaa	540
ccttggtctc	tggtactcatt	g				561

<210> 12465

<211> 132

<212> DNA

<213> Homo sapiens

<400> 12465

ctaagaaacc	accttgattt	ataaattaat	aggagggaga	taggcacatg	aggaattact	60
agttaaattg	agtatccaga	attgtctgca	agttaaaaaa	aaaagggact	cataataatc	120
tgcatgtttt	tt					132

<210> 12466

<211> 237

<212> DNA

<213> Homo sapiens

<400> 12466

gttaagacta	tactttcagg	gatcatttct	atagtgtggt	actagagaag	tttctctgaa	60
cgtgtagagc	accgaaaacc	acgaggaaga	gaggtagcgt	tttctcctga	gcgtgaagcc	120
ggcttttttg	cgttgcttcg	ctgcaactgc	cgtcagccat	tgatgatcgt	tcttctctcc	180
gtattgggga	gtgagaggga	gagaacgcgg	tctgagtgga	aagaaaagaa	gataaag	237

<210> 12467

<211> 377

<212> DNA

<213> Homo sapiens

<400> 12467

gttaagacta	tactttcagg	gatcatttct	atagtgtggt	actagagaag	tttctctgaa	60
cgtgtagagc	accgaaaacc	acgaggaaga	gaggtagcgt	tttctcctga	gcgtgaagcc	120

ggcttttctgg	cggttgcttsg	ctgcaactgc	cgtcagccat	tgatgatcgt	tcttctctcc	180
gtattgggga	gtgagagga	gagaacgcg	tctgagtgg	tttcccttt	cgccctcgt	240
ttcagcggg	acggctcttg	ggttttctcg	gggtggcttt	tttaatttta	gtcttggcgc	300
gagsgggga	tgctgtgtg	cacctcctat	tgtctcttt	tgcgttttct	cccattctcg	360
ctccckmttt	tgctgcc					377

<210> 12468

<211> 383

<212> DNA

<213> Homo sapiens

<400> 12468

gttaagacta	tactttcagg	gatcatttct	atagtgtgtt	actagagaag	tttctctgaa	60
cggttagagc	accgaaaacc	acgaggaaga	gaggtagcgt	tttctcctga	gcgtgaagcc	120
ggcaaatcgt	ttgtttgttt	ttgcagaatc	ttgctctgtc	acccaggctg	gagtgcagtg	180
gcatgatctc	ggcgactgt	aacctccacc	tcctgggttc	aagtgattct	cctgcctcag	240
ctgcccaggt	agctgggatt	acaggcatgt	gccaccaagc	caggctaatt	tttgtatttt	300
tgtagagaca	gnntttcanc	atgttgacca	ggcgggtctc	aaactcccga	cctcaagtga	360
tctgcccctc	cctgcccctt	ttt				383

<210> 12469

<211> 196

<212> DNA

<213> Homo sapiens

<400> 12469

gttaagacta	tactttcagg	gatcatttct	atagtgtgtt	actagagaag	tttctctgaa	60
cggttagagc	accgaaaacc	acgaggaaga	gaggtagcgt	tttctcctga	gcgtgaagct	120
ggctttcttg	cggttgctta	aaaaagaggg	aaaattacaa	aaagagagaa	aaaaagttaa	180
tgcngtttgt	ttagcc					196

<210> 12470

<211> 406

<212> DNA

<213> Homo sapiens

<400> 12470

gcgcgagca	gcgagccgct	tctcscatc	acagcgattc	ccasggtkgt	catasaaacc	60
actccctggg	gcttggaaca	gcmggagccc	tcctgtggca	gggcttcggg	gtcggggctc	120
cgaggctccg	gcttgacttc	tccacrggg	ccacaggagc	gtctccggat	gccaggacct	180
gaaatggggc	gaccaggatg	aggaaaccac	aggcagaggc	cggggaagca	gcgcggcatc	240
ccatcctcag	gcttgcccgg	acggtgttcg	ggatcaagag	gaccacactc	cagcccagga	300
caaaagcccc	acggtagcac	attgtccggc	aggagaggag	cagaccacag	tccaagaaga	360
tggttgtagc	tttccacgac	tcttctctgc	gaaatgaagc	cacacc		406

<210> 12471

<211> 127

<212> DNA

<213> Homo sapiens

<400> 12471

agaactcagg	aaagtctcag	ccaacacaga	ggacatgaca	tccgagggga	gccccagggg	60
tgcttggaat	ttccatcaga	atgtgatggg	ggttccaaag	ctgtgatgaa	tggttgga	120
cctggca						127

004220" 022400 054399

<210> 12472
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 12472
 agacagctgg agggaaggag gtgtcaggcg gggagagacg caaacggcgg gaccagcagc 60
 gacggtagca gcagcatggc cgcgatctat gggggtgtag aggggggagg cacacgatcc 120
 gaggtccttt tagtctcaga ggnatgggna ngatcctggc agaagcagat ggactgagca 180
 caaaccactg gctgatcggg acagacaagt gtgtggagag gatcaatgag atgggtgaaca 240
 gggccaaacg gaaagcaggg gtggatcctc tggtagcgct gcgaacttgg gcctatctct 300
 gagcgggtggg gaccaggagg acgcggggag gatcctgata gaggagctga gggacgattt 360
 cctactgag tgaaagctac t 381

<210> 12473
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 12473
 agatgtctgt ggatcatatgt tgaatgtggc agcttgaaga tgtactgcca cgggtgatct 60
 agggcaggct gtcttccagt ccatgtgttc tcggtcgccc tagacagcgc tctggctacc 120
 accgtgaggc tacttgaact gtcaggggca tctgcctaaa ccagaatctt ttgtcagaaa 180
 ccttaaccca acaaaacaaa tcttgagtag ctcatgcccg gctcttagga attttgtctg 240
 t 241

<210> 12474
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 12474
 actttgggaa tgaataaagt ggaatggtaa ctttccagtg gttcagaatt gaattagact 60
 tcttgtgact gtgatgtttg gtttccattg aaatatatga agtgagatgt catatcctga 120
 atatagtttg tcttcccaaa ttacttgata gcatgtctgt cagccagtaa agattaagaa 180
 cagagtttct ctaaattcct cagattatct cactaaggca cattaaaata cttaattttg 240
 ggaaaccaga catcacagat ttctccatga agtcctaaat cttcttttaa gtcagaatag 300
 gtatcttagt tactgacagt attcagggtt ttttctccct tggatgatag tcattccatc 360
 agtgaaaaaa tatcttctcc caggggataag aaagggtattc tggtaataca ttatcatcaa 420
 tccttaaaaca gtaacagtct tggcacttat cacaaaaccg acccatttct tataaccaga 480
 aagattatct tagactgtcc ttc 503

<210> 12475
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 12475
 tttgcactgc attttctact gtaaaccaaa agagggttact aagcaaaacc acctaaattt 60
 aagttgggtg tttaaatgaa tctcacatta aaagaaagct tgacagtgtt atgaaagcca 120
 ccagactcag ccagtgtgtc cccatgggta tccccagcca tccttgctca atccattact 180
 tatatactaa ctacataatg acctgttcaa accagactct atttaaatgaa ctgtgaattt 240
 acacagaggc cattttaaat gggtcacccc atttaggatt agtggatctc aaattaatta 300

accaaacatc actccatttc aaagtaaaat attccacca

339

<210> 12476

<211> 293

<212> DNA

<213> Homo sapiens

<400> 12476

agcttttcta	cccaaatacg	cggcggggga	ataggctcga	gggcggtgag	cagtgacaat	60
tgctaggcgg	agacagtgca	gggaagagag	accttagaaa	ggatcaggac	tggcgggagg	120
tatttaactg	aaaggaatat	cwgcttcact	gttgcaacca	aaccagatgc	cttcttccac	180
ttcaccagac	caaggagatg	acctggagaa	ctgcatttta	agattttctg	acctggattt	240
aaaagatatg	agtcttatta	atcccagcag	cagtcttaaa	gcagaattag	atg	293

<210> 12477

<211> 155

<212> DNA

<213> Homo sapiens

<400> 12477

ttttsaccct	cogtctctca	sacccccctcc	rntccccctgt	ctcctttctg	acactgcact	60
gcagctgctc	ctcagccctg	ccccctcccc	agtgagaaca	aaccagcaac	attgcttttt	120
ttcctaaaga	gatttatatt	gatccgatta	aaaaa			155

<210> 12478

<211> 193

<212> DNA

<213> Homo sapiens

<400> 12478

tcaaaaaatc	aatgtgggct	gtcaaagaag	gtttcttgat	agtcatgagt	cagcctgatt	60
cttgaaagga	twtggtggaat	ataaaatttt	atztatattc	cttttgagaa	aatactgaga	120
aaacatcttc	cctggaaaag	agracgtatt	gtaaagaaag	tacatgaaat	tgaagggtga	180
atatccaaca	tcc					193

<210> 12479

<211> 541

<212> DNA

<213> Homo sapiens

<400> 12479

agttgccaaa	tgaaatctga	aacctcgagc	tgtgtctgag	ggttggtccc	actcagttgt	60
tccakcctct	tgtactgtat	atttacacat	tcacacacaa	tcaccctttc	taacttctgg	120
gactctttgc	gcaactgcta	ggattttctca	agtgcattgtg	gcaacacagc	ccagctccgg	180
gtggaaacca	gcagggtctc	ggaggggctc	ggagaccagg	ggagctgtca	aggctgcggc	240
ggggaccaga	gaggagcctg	gcgggggtgg	ctgggtggct	gggggaatcc	ccccaacttc	300
ccatcgagc	cgcastctct	cggccgccta	tttctccga	aaccgcgcgc	cggagcascc	360
agtgcataga	gttcaacact	tccccttggt	gtggaaagta	aaggagcctc	actaccacct	420
ttttttcttt	gctttttctt	actgctggct	ctgggagcct	ttkcttcgga	gcagcagccc	480
tgtccggcat	ctgtcttgag	ctcccagcaa	ggaaagtcca	tcagcttgat	aatggaggag	540
a						541

<210> 12480

<211> 103

<212> DNA

<213> Homo sapiens

<400> 12480

cttccggtgg agatggctgc ggccgtggcg gggatgctgc gagggggtct cctgccccag	60
gcgggctaga gtgcagtggc atgatctcgg ctactgcaa cct	103

<210> 12481

<211> 228

<212> DNA

<213> Homo sapiens

<400> 12481

aattcttccg gtggagatgg ctgcggccgt ggcggggatg ctgcgagggg gtctcctgcc	60
ccaggcgggt aaggagtggc ccaggctctc acggcgtgtc ttgcggccgc tctctagtcc	120
tcatctgccc tctctacta ctgattcttc ccataatctc tgacccagc tagatcgctg	180
gcctccttac cccgtccagt tccttgtgac tcgactggcc ggctgcct	228

<210> 12482

<211> 217

<212> DNA

<213> Homo sapiens

<400> 12482

agaagaaggg ctggtagggg tcacagagag gctgtgggca ggtgagcaaa ccagcctcca	60
gggagacaag tgctccttagc agccaggacc tcagcacagg accagagctc ggaacgggac	120
actttgccct gcgagcagat ggagcatgac ctgggggtctg cgcaggagag gccacattct	180
cccagactct gggagtgaac tggagtgggg ccccgggc	217

<210> 12483

<211> 345

<212> DNA

<213> Homo sapiens

<400> 12483

tacatttcct cagaagaagg ctcccttggtg ctttgaagaa catcctgaag attatatcgg	60
agacaatata tcaagaatct atttattgaa tcatctagaa caaaagccag gagctcccta	120
atggaagcac attagtgttt attttgatga agaaatatat agatttttta aaacaaccac	180
aaagtagata gctcagtaaa aaatcaattt tggaagatgt cactgaacaa ctcttccaat	240
gtatttctgg attcagtgcc cagtaatacc aatcgctttc aagttagtgt cataaatgag	300
aaccatgaga gcagtgcagc tgcagatgac aatactgacc cacca	345

<210> 12484

<211> 241

<212> DNA

<213> Homo sapiens

<400> 12484

gtgacttcca agactaggcc agaagaggca tttgagggtt tctgctttct ttctctcagg	60
tcaactccctc tggaggaaac cagctgccac tttgtgagga tactcatagt cctgtggagg	120
catatcctcc atatggctga gacctcctgc gaacaaccat cactgacttg ccagacatga	180
gtgtgccacc ttggaagcag attttccagc cccagttaag ccttcagatg acatcagccc	240
c	241

<210> 12485
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 12485
 agaagcgctt ccr gcggtct tagatcacta atcaacaaac cagctttcgg ggtctgacgc 60
 gatccttgcc tcaggcctct cgagggtccag acagccgccc agcccgcctc gcgacgcagc 120
 agtgaatagt gtggtacctc cttgtctcgg ttcagggtcca gacctccccg tcttcgggct 180
 gccctgaacg tcaggcgacc tcaggaccct gtgattggcg cctgcgcggg cggaccgtga 240
 ccgaggaaac ccctggaggg acttgggcat tccttgggct ccgtgcctgt tcttcgtgct 300
 cctttcggta aaggcaagga tctcacatta tcagtctttg accgacacag aatgcctggc 360
 atttgataaa tgtttggtga acttgaagag acatatggac aatgaatctg caaagatact 420
 ggggagagat accaatatca tcaagccaga ccaacagaag ttccttcgat ttgctccac 480
 gggagttccg tctggtggaa gtccatgacc caccctgca ccaaccctca gccacaagc 540
 cgaa 544

<210> 12486
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 12486
 actttttcca cgtgcgaaag ccccggaactc gtggagttgt gaacgccgcg gactccggag 60
 ccgcacaaac cagggctcgc catgaagcca ggattcagtc cccgtggggg tggctttggc 120
 ggccgagggg gctttggtga ccgtggtggt cgtggaggcc gagggggctt tggcgggggc 180
 cgaggctcag gcggagggct tagaggctcg ggacgaggag gagatagagg cgcaccttcc 240
 caaggcaaat gtccataata gtgtttccta ggttttcttc tagtatcctt atagcttgag 300
 gtattacatt taaatcttta atccatcttg agtnaatttt tgtatatggt gaaaggtagg 360
 agtctagttt cattcttctg catatgggta gccaaa 396

<210> 12487
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 12487
 tctctccttt ctgggttctt cctcatcaaa ggcttgtctc agctcactgc cctgttagag 60
 ggcttttagaa accaggtcac acagagcttg ttatttgcta ctcaaagtat gtggtttttt 120
 tatagttac 129

<210> 12488
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 12488
 aaaataattg atggagaatg accgaaccca ggacaaaagct ttgcaggaaa ccagtgcac 60
 cgtgttcgag cggttttggg atcctctgcc aagtacggga taagagaata gagcaaggag 120
 tttgagcgt gctgccaatc ttccatctcg ggcgtggctc tggccttttt gtctctttat 180
 cccgccactc cccacccccg tc 202

<210> 12489
 <211> 101

<212> DNA

<213> Homo sapiens

<400> 12489

aaaataagtt gggaaaggaa tctctactgt tactgtagac aaaccagtsa acacttatga 60
tgtatttgac atggggccacc cttggggcct cagggtattga g 101

<210> 12490

<211> 111

<212> DNA

<213> Homo sapiens

<400> 12490

agtgtgttct gacggagccg aagtacagaa accatattta cagggtacatg tgacagcggt 60
gcagctatga gtggaatttt aaaggggaag tttgaagaag tcaacggctc c 111

<210> 12491

<211> 141

<212> DNA

<213> Homo sapiens

<400> 12491

gagaaaactt gcgaagttaa ggatggagct gaagagactg ggttccgtcc tacgcctgct 60
gccatcagac tggaactaaa ccatcagctc tcatgggact ccatcttgct gacttatcct 120
gcagatcttg ggatttaacc g 141

<210> 12492

<211> 434

<212> DNA

<213> Homo sapiens

<400> 12492

acaatgacca acggccccct ggcatctata acaggccgca gagctggccc ctgactcaca 60
gccacagag ttccacctgc tcacaggttg gctggctcag ccaaggtggg gccctgctct 120
gagcattcag gccaaagcca tcctgcacca tggccaggta cagatgctgt cgcagccaga 180
gccggagcag atattaccgc cagagacaaa gaagtcgcag acgaaggagg cggagctgcc 240
agacacggag gagagccatg aggtgctgcc gccccaggta cagaccgca tgtagaagac 300
actaattgca caaaatagca catccacca actcctgcct gagaatgtta ccagacttca 360
agatcctctt gccacatctt gaaaatgcc ccatccaata aaaatcagga gcctgctaag 420
gaacaatgcc gcct 434

<210> 12493

<211> 560

<212> DNA

<213> Homo sapiens

<400> 12493

ataggagcct ctctccctac tgckgctaata aagaccctga gactgacctg caggacgaaa 60
ccatgaagag cctgacacct cttgccatcc tggccgcctt agcggtagta actttgtgtt 120
atgaatcaca tgaaagcatg gaatcttatg aacttaatcc cttcattaac aggagaaatg 180
caaatacctt catatccccct cagcagagat ggagagctaa agtccaagag aggatccgag 240
aacgctctaa gcctgtccac gagctcaata gggaagcctg tgatgactac agactttgctg 300
aacgctacgc catggtttat ggatacaatg ctgcctataa tcgctacttc aggaagcgcc 360
gagggrrcaa atgagactga gggaagaaaa aaaatctctt tttttctgga ggctggcacc 420

tgatTTTgta	tccccctgta	gcagcattac	tgaaatacat	aggcttatat	acaatgcttc	480
tttcctgtat	attctcttgt	ctggctgcac	ccctttttcc	cgccccccaga	ttgataagta	540
atgaaagtgc	actgcagtga					560

<210> 12494
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 12494						
tccatcattt	tactgttaaa	ccatggatag	tcattggggct	gttacctgac	atagcctata	60
ccatcatgac	cagagacctg	gtaagtctgt	caatagttta	gcccattggag	caagtgaaaa	120
gcaaagaaa	tttcttggaa	accaagtctc	tgccttccta	agaactgagg	ttggccaggt	180
gcagtggctc	atgcctgtaa	tcccagcact	ttgggaggcc	gaggtgggtg	gatcacgagg	240
tcgggagttc	aggaccagcc	tggccaatat	ggtgaaacc			279

<210> 12495
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 12495						
tatgtgctgg	cttccaacct	gatgcaatgt	gtaatatgta	aaaaaatgaa	aattatcaac	60
ctaaatacgg	ctactgggtt	atarggktag	gaggaaggag	ttaaatgtag	tgctttccag	120
gatagttcct	tccatactcc	ttctgttcct	ttcattgtgc	ccctctctgt	gattatttgt	180
cctgatcgtg	ttggagtttt	cctagactat	gaggcttgca	ctgtctcatt	cttcaatatc	240
acaaaccatg	gatttctcat	ctataagttt	tctcactggt	ctttttctca	gcctgtattt	300
ccatatttaa	atcctagaaa	atgtggagtc	cccatgactc	tgtgctcacc	aagctcttga	360
accttctttac	acactcagcc	ccttctgtac	agcacctctt	gtccagggtg	atctcataca	420
cctgaactca	tttgcacat	tttaaccatc	tttcccttgc	tgtctccctt	ctttctattt	480
gaacgtcctt	cactcatcag	taaaatgtaa	taattgcctt	gtgccatatt	gtccccaata	540
ttttattgac	atttgatagc	aatttttttc	atcattttcc	gtactcctaa	ggaaaactga	600
cctatacctc	ataaaatgag	amcgctattt	agggtattact	tctgccagat	a	651

<210> 12496
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 12496						
tgttgttgag	atggagttta	acatgttggc	caggctgggc	ttgaactcct	gacctcaggt	60
gatgcacctt	cctgggcctc	ccaaagtgtc	gcgattacag	gcatgagcca	ccgcaccagg	120
cagttaactc	tttcttggag	agaaataatg	aaatctcatc	tcattaagtt	ctcattttac	180
acattagtaa	ataaggctca	gagaaattaa	gcagtttgct	caatcacaca	gccaatggat	240
tggaaaccat	ttctgtccaa	ttctaaagcc	tatgttgctc	aattccaaag	cctctattct	300
accacatacc	accttcctta	gagtgtactc	cctagattaa	tagggccact	cgaattagaa	360
gct						363

<210> 12497
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 12497

ttgaaaacac	tagagattca	accttcgttt	ttatggaagg	ctctgaagat	gcttatgttg	60
gatatatgac	aataaagggt	taaccctgat	gacaaatctg	cacaacacca	caatgcacac	120
cactgcttag	agattacagt	aaattgtagc	cctattattg	atcactgtat	catccgaagt	180
acatgtacag	ttggttctgc	agtatgtgtt	agtggccaag	gagcatgtcc	caccatcaag	240
cactgtaaca	tcagtgaact	tgaaaatgtt	ggactatata	taacagatca	tgcacaggga	300
atatatgagg	ataatgaaat	ttccaataat	gcgttastgg	gatttgggtt	aarratcatg	360
gaaacccaat	tattagacgg	aatcatattc	atcatggacg	tgatgttggt	gtgttcacat	420
ttgatcat						428

<210> 12498
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 12498	
cctgaagaaa	cagaggaacc catcaggcct agaccacctc gacccaaacc cacacaccag 60
cctcctcaga	caaaatggta caccccaatt aagggtcgtc ttgatgctct ctgggctttg 120
ttgangcggc	agtatgaccg ggtttctttg atgcgacctc aggaaggaga tgagggccgg 180
tgcataaact	tctcccgagt tccatctcag taaaaggga gcagga 226

<210> 12499
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 12499	
aaggattttt	ttccccgctc tccttagtcg ccgtccgtcc atcagtacct gcagggggga 60
ggaggaggag	ggaggaaagc ggaaagagga aaaagcataa gcttgagcct tccgatccga 120
ccacgaatac	tctgttaata aaccaccgc cccaacaaat ctgccatagc agccgccacc 180

<210> 12500
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 12500	
catggcttct	ccactcctcc cctccttaac ttttctttac cagttggtag tcttcacctc 60
ccttcttgaa	ctctactcaa aatccagtgt gcttttttgt tgattttcct tccttcctaa 120
taattcattg	tcttggttcc tcttggaact cttacaaaga ggcatcacca agagttattt 180
ttaatccaaa	tgactctgaa atttacatct ccaaccagac ctaaaaccct tcctctatcc 240
cccaagtgat	tttctttcct cttaaacccta ctcttcctaa tgactttcct atgtctgtga 300
taggggtacc	cctcatcacac gaagccccca agtcatctag cccactcctc tctgcatcag 360
teccctattg	gaagagttct atggaat 387

<210> 12501
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 12501	
atgtgcggct	ccggcagtg cagcggaggc ctgtgtttgc ggcccttcggc aagcgactga 60
gatggcgagc	gcaactgcac ctgcagccgc agtccccacc ctggcttcgc ctttgagca 120
gctccggcac	ttggcggagg agctgcggtt gctcctgcct cgagtgcggg tcggcgaacc 180
aggagaccac	cgaggagttt aatcgagaga tgttctggag aagactcaga aaccagaag 240

ttctgtgaac	aagtccatgc	tgccatcaag	gcattttattg	cagtgtacta	tttgcttcca	300
aaggatcagg	ggatcaccct	gagaaagctg	gtacggggcg	ccaccctgga	catcgtggat	360
ggcatggctc	agctcatgga	agtactttcc	gtcactccaa	ctcagagccc	tgagaacaat	420
gaccttattt	cctacaacag	tgtctgggtt	ngtgccagca	g		461

<210> 12502

<211> 339

<212> DNA

<213> Homo sapiens

<400> 12502

acagagccac	tagattagtc	tgtgagggaa	ggagatgcct	cttccttccc	ttcaatagtg	60
ggttaaaccc	agctggcacc	ctctggaact	acgggaacaa	tattcttcaa	gagaagggtca	120
ctctaccaaa	gccaggagca	cagtattctc	aggatctcaa	caaggaagag	cagaccaagg	180
ttgcttcgat	tccttacaac	cttcgtaat	tccaggttg	tggcccaaa	ttcagggccc	240
cacccttcca	ggaacaaatc	attatagtaa	taatttgcct	tcattctcca	tataccaact	300
aagcatgttt	aactacgaac	gtccaaaaca	cttcaacca			339

<210> 12503

<211> 154

<212> DNA

<213> Homo sapiens

<400> 12503

agagatctcc	agtcagaaaag	agactgcctg	cgagggagat	tcctggctgc	tgctttgtag	60
accaaggaaa	cccaggaccc	tccggaaaga	ctaagcagcg	cgncctccga	cccacagacc	120
tgagggctgc	accactgccc	tcgtctctcg	acgc			154

<210> 12504

<211> 209

<212> DNA

<213> Homo sapiens

<400> 12504

agggcgggasc	aaatcttaaa	ggatccggga	gctaagccag	acccgggtgg	cggtggcagc	60
tgcgaaaccc	aggagccga	tgccacgtga	cccaatgtgg	acttctttta	aacctttcta	120
atgcccataa	cccagcctca	gacccatgga	gcccacgaga	gactgcccgc	tggtcggggg	180
cgccttttcc	gccatcctcc	ccatggggg				209

<210> 12505

<211> 299

<212> DNA

<213> Homo sapiens

<400> 12505

caaatcatgg	tttgagccac	agcccagcca	ggcctgggag	ctgccaaaga	cagagggatc	60
cacagcccac	gtttccatcc	aagtgtggac	actttatctg	cacttctct	gaaactgagc	120
tgcccctggc	tgcagaagaa	acccatgcac	ttgagcaata	aataaagctg	gggctcaggg	180
agagacacgt	gggacccagg	ggctggggcg	tgaaccctg	acctgctggt	tatgggacct	240
gtggcctcac	caacagccct	cckgacctaa	tccggacctg	gaggattgct	gagcacagg	299

<210> 12506

<211> 334

<212> DNA

0951399.022400

<213> Homo sapiens

<400> 12506

aattgtatcg	tatagctgta	ttgaatcatg	tagtatcaaa	tattagatgt	gattttaatag	60
tgtaaatcaa	tttaaacc	ttttagtcac	ttttttttcc	aaaaaaatac	tgccagatgc	120
tgatgttcag	tgtaatttct	ttgcctgttc	agttacagaa	agtgggtgctc	agttgtagaa	180
tgtattgtac	cttttaacac	ctgatgtgta	catcccatgt	aacagaaagg	gcaacaataa	240
aatagcaatc	ctaaagcaag	aatatggc	aacaagatct	gtaagcacag	tcttattttc	300
ttttgttg	cagaatactt	ataattcttg	agcc			334

<210> 12507

<211> 315

<212> DNA

<213> Homo sapiens

<400> 12507

aaaagagaaa	gtccagagaa	tgtttctatc	tgcaattgca	gatactgtta	ttttctactc	60
aataaccccc	aatccttttc	cttgctaata	gttaaacc	aatttgactt	ggcagcaatg	120
caccaagt	taggttaaag	attggtaa	tacagctaca	ggtcaa	actccactgc	180
ttgtttttg	tttttatgtt	tatttg	tttg	gacaggg	cactctgtca	240
cccaggctgc	agtgcagtgg	cacaatcact	gctcattgca	gcctcgacct	cctgggctca	300
agttattcct	ccacc					315

<210> 12508

<211> 111

<212> DNA

<213> Homo sapiens

<400> 12508

cctcagaatt	ccagtgggag	cctccctctg	agcctt	gtag	aaatgggcag	cgagaaacc	60
cagctgagct	gcgtccagc	ctcagctgag	tctttttggt	ctgcaccac	c		111

<210> 12509

<211> 160

<212> DNA

<213> Homo sapiens

<400> 12509

atctggcccc	tagaggctgg	tacttgggcc	cgaaaccccc	atctccggcg	gagagaccgt	60
ccgaggtaat	tgtctgccac	gagtggcccc	agctacttgg	ggggctgagg	tggtgcagt	120
gagctgagat	cccgccatta	cactccagac	tgggcaacag			160

<210> 12510

<211> 348

<212> DNA

<213> Homo sapiens

<400> 12510

aaaaaaatcc	gccgcgcctt	gacaggtgaa	gtcggcgcg	ggaggggtag	ggccaacggc	60
tggaaccccc	aagggcgggc	gcagatcgcg	gaccatggat	tgcaacttcg	aagacatgct	120
tcagcttatc	aacaaccaag	acagtgaact	ccctggccka	ttgacccacc	ctatgctggg	180
agtggggcag	ggggcacaga	ccctgccagc	cccgatacca	gctccccagg	cagcttgtct	240
ccacctcctg	ccacattgag	ctcctctctt	gaagccttcc	tgagcggggc	gcagagcgct	300
caccctgtgc	cctccagcc	tgacccact	ccattgaaga	tgtaccgc		348

<210> 12511
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 12511
 agcacttggt cgctggccgc ccctggaggc tagaagctcc ggcgccgaga gtgggcatgg 60
 cgacttggtc tcagccggac tcgggtttct ctggaaaccc ccctggtaag tgtggaggag 120
 gcgggacact ctgacccaag acgaaaggcc tgtagctcca gccaaagaaa ataaacctta 180
 ggagggagaa ggaaaaaaaa atccatcagc tgttcctgag aacagcctgc attggaatct 240
 acagagagga 250

<210> 12512
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 12512
 cagtccagag ggcgatgagg atgccgattg ctgggaagat cctggtcctt ttttgtcccc 60
 atgttttcaa gaggaaggag gacgctgcca ttttacttgg tgaaagacct ttcgtcacgc 120
 acgaaacccc cgagggtctt gggctcggtc ctgctgcccc gcagtgggag ggctctgtgt 180
 gtcttacggt tgcattctgt gtacctgaga aacatttttt aaacaaaaaa attcaacaca 240
 aaagaatttt ttaagaaaaa aatgctactg 270

<210> 12513
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 12513
 aagtgatggc tgccggcgct ctctgcgtgg ttctttcttct cgcccgctga aacccccgcg 60
 gctgcttctt gggaaggctc tgagtcctgc tgagctgtcc ccggtgccgc cgaccggggc 120
 cgtgtgcccc tggctccagc cgtgtctgcc tcatctctct cgtctccccg tccgcctctc 180
 cttttccctg gatgaacttg cgtcctttct cttctccgcc atggaattct gctccgtgct 240
 tttagccctc ct 252

<210> 12514
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 12514
 aacagccact ctgcgcctc cgaacagcca caggggcaaa gccctgtcac ccccaggatc 60
 cggatcatcag ggaaagagga caggagagac agaagagggc cagctgggac gagggggcgg 120
 acgccaggag gcaacttctg agacgcagct cctgagaggg gcagggacca ggcgcgggag 180
 gccagagggg gcacagagaa caaacccctc cagaagtga gaggagagcg gaaggaaccg 240
 agaggggacg gacaggagct gaggagggaa gaggagggga gagggggtcag gccaggcagc 300
 caaggagaag acgtgtggcc gggggctatc agaaggaaac tgggacggac gggccgggct 360
 cgggctgtcc tgtggagcag cagcatcccc ggggccggca gaggcgccag tggctgga 418

<210> 12515
 <211> 146
 <212> DNA

<213> Homo sapiens

<400> 12515

atattggagg	ggacaaaact	ccggcgacas	gagtgcacaca	aataaacccc	tggacccccct	60
tgttcctca	gctctaagg	ccgcgatgtt	gtacctagaa	gactatctgg	aatgattga	120
gcagcttct	atggatctgc	gggacc				146

<210> 12516

<211> 360

<212> DNA

<213> Homo sapiens

<400> 12516

cccaaagtag	ccagatgtct	agatactttt	agagaaaaaa	tgacaagtct	taaccagtat	60
gagaaaaaca	tagtgacaac	cccaaaacca	acttctgtgg	gctggacttt	actaccgtca	120
cactaagaaa	gtttacaaat	ttgtgttcgt	aaacaggccg	tattcagagc	cgctctgggc	180
tgcggttg	acaagcttgc	cttagctcct	cctctagaaa	ggttttgcag	accctgattg	240
taagagacac	ctttgctttg	agagtnaggg	cctgcttatt	tatcttcatt	ttaaagttag	300
aaacaagggt	ttgtgtgctt	aaaaaatcct	ttacattgca	tttctaagtt	ttacatgagg	360

<210> 12517

<211> 375

<212> DNA

<213> Homo sapiens

<400> 12517

gtaaaaaac	actggaataa	ggaagggtcg	atgactttca	gaagatgaag	gtaagtagaa	60
accgttgatg	ggactgagaa	accagagtta	aaacctcttt	ggagcttctg	aggactcagc	120
tggaaccaac	gggcacagtt	ggcaacacca	tcatgacatc	acaacctgtt	cccaatgaga	180
ccatcatagt	gctcccatca	aatgtcatca	acttctccca	agcagagaaa	cccgaaccca	240
ccaaccagg	gcaggatagc	ctgaagaaac	gtctacaggc	aaaagtcaaa	tttatggggt	300
gcatagcagc	ctggctggaa	gcattctgag	tgtctgtct	gccctgggtg	gtttcattct	360
cctgtctgtc	aacc					375

<210> 12518

<211> 484

<212> DNA

<213> Homo sapiens

<400> 12518

aaacagagt	cctagctttc	tcagtcattc	aaacacaagc	acggaagaag	agattgcact	60
gaccagagga	ccgccagggt	tgatgtccg	tagtcgcaga	tgaaggaaaa	ccatgggcgg	120
acttgtcatg	gacagctcct	aggtggacat	aaatggaaac	tcattgggtc	tggggcacgg	180
cgggaagagg	gagacggccc	tggacggccg	caccaagaat	ttcacaaccc	aaacccgact	240
agaaagcctg	ggttatggcc	acaccgtgcc	cttgtcagat	ggaggtaagg	ccttctgcat	300
catctactcc	gtcattggca	ttcccttcac	cctcctgttc	ctgacggctg	tggtcagcgc	360
atcamcgtgc	acgtcacccg	caggccgggtc	ctctacttcc	acatmcgctg	gggcttctcc	420
aagcaggtgg	tggccatcgt	ccatgccgtg	ctccttgggt	ttgtcactgt	gtctgcttct	480
tctt						484

<210> 12519

<211> 272

<212> DNA

<213> Homo sapiens

<400> 12519
 ggaacagcgg cctctgacac cagcacagca aaccgcgagg gatcaaagtg taccagtcgg 60
 cagcatggct acgaaatgtg ggaattgtgg acccggtac tccaccctc tggaggccat 120
 gaaaggaccc angggaagag atcgtctacc tgccctgmat ttaccgaaac acaggcactg 180
 aggccccaga ttatctggcc actgtggatg ttgmnnccaa gtctccccag tattgccagg 240
 tsatccaccg gctgccccatg cccaacctga ag 272

<210> 12520
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 12520
 actccgaggg caggaacgct ccgtctggaa cggcgcaggc agatgccagc cccaaacctc 60
 atccctagtg gaggccttgc tgatgtggaa gtggccaggg ccctcatgga ggctgggcag 120
 aagcccaaga gcaggtctta aagctgcca acccggcagc cctgggtccc ggaggctctt 180
 gccagtctga cagtgttctt ggcactgctc agaggtccca gcagctgggg ttccccgtca 240
 gcccgtgagc ggccatgtcc aaccccagcg cccaccacc atatgaagac c 291

<210> 12521
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 12521
 agtgccgggt gagaaggcgg tggtgcagc agcagggcgg cggaaccct aaagtccgag 60
 tccggactac gagtgcgtgg cctcctaate cggatcctag tctgagcgt gtctgtgtgc 120
 gagtggacgg tcccggacgc gatgacctg aaca 155

<210> 12522
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 12522
 gaaacctac aaatgtgaag aatgtggtaa agcctttacc aagtcctcaa ctcttactta 60
 tcataaggta attcactactg gaaagaaaacc ctacaaatgt gaagaatgtg gtaaagcctt 120
 tagtatattc tcaatcctta cttaacataa agtaattcat actgaagaca aacctataa 180
 atgtgaagaa tgtggcaaaa cttttaacta ctctcaaat ttactaatc ataaaaaaat 240
 tcatactgga gagaaacct ataagtgtga agaagtgtggc aaaagcttta ttctgtcctc 300
 tcatcttast amacatraga wrattcatac kggagagaaa cctacaaat rtraagaatg 360
 tggcaaakct ttttaaccgg cytcaacctt tactaaacat aagrtaatc atactggagt 420
 aaaactctac aaatgtgaag aatgtggcaa atcctttttc tggtoctcag cc 472

<210> 12523
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 12523
 tatgagcagg cgtgttgggg aggagcgcac aaacctagt gggtttggtt gcacggcggc 60
 tttggcgcac tttcggtctg tttgattcat ccattttgaa gagacggggg agcggggggc 120
 tcgtctgttc caggagccct gaaccaaaga gcagcggagt ttgagaagcc agcagctcgg 180

ggttcggcag cagcgggtccc ag

202

<210> 12524

<211> 228

<212> DNA

<213> Homo sapiens

<400> 12524

tttttctttt	ggtcagagaa	accctcagat	tggtgcaagc	atagtaggcc	tacttccaca	60
aggaagcagc	tgcttgtcta	gtttggtgtg	tcaggacagg	ctgcctaggt	gaaaaggatg	120
tgggcactgt	aggagagtga	gcagaagcag	gtgggtggat	gcagacgcga	gagctcagtg	180
taatgggagg	acaggatgct	gggaatgtgg	agtctcaaga	aaggcagg		228

<210> 12525

<211> 216

<212> DNA

<213> Homo sapiens

<400> 12525

agatccctcc	cacagtggac	ctaggaaacc	ctcagctcag	agaacaaccc	tgcatcctcc	60
acacagcacc	cacaatcagc	yactgcgggc	gaggagggca	cgaggccagg	ttcccaagag	120
ctcaggtgag	tgacacagtg	gaacggccca	gggmccctc	accctgctca	gcttgtggct	180
ctaacattcc	agaagctgag	gcctctggca	tccttg			216

<210> 12526

<211> 199

<212> DNA

<213> Homo sapiens

<400> 12526

agatccctcc	cacagtggac	ctaggaaacc	ctcagctcag	agaacaaccc	tgcatcctcc	60
acacagcacc	cacaatcagc	namkgcgrgc	gargarggca	cgakgccagg	cccaagagct	120
caggaacatg	gagctgatcc	aggacacctc	ccgcccgcga	ctggagtacg	tgaagggggt	180
cccgtctatc	aagtacttt					199

<210> 12527

<211> 506

<212> DNA

<213> Homo sapiens

<400> 12527

aaacgcccgt	cgsrggcgcg	tctctttcag	cagccaatgg	gctctgccan	mcttcgtcct	60
cgtcagcatt	ttgtctaata	gcggcctgtg	acgctcgaag	ggcggggagc	agagggagat	120
acagaaaccg	acagggggcca	ggcgcccggg	ggctccgaag	cggggaagtg	ggacaagatg	180
gtttacatct	cgaacggaca	agtgttgagc	agccggagtc	agtctccatg	gagattatct	240
ttgataacag	atttcttctg	gggaatagct	gagtttgtgg	ttttgttttt	caaaactctg	300
cttcagaag	atgtgaaaaa	aagaagaagc	tatggaaact	catctgattc	cagatatgat	360
gattggaag	ggccaccagg	aaacctctcc	cgaagaatgg	gtagaatcaa	tcattctgcgt	420
ggccctagtc	ccctccaat	ggctggtgga	tgaggaaggt	aaatgtctgc	tctaagaagc	480
agacaaccgg	acatgcgcac	tcatag				506

<210> 12528

<211> 510

<212> DNA

<213> Homo sapiens

<400> 12528

atTTtncgcc	tccttcacag	aaggcagtca	ctgcaacgtg	cgtggcctca	gttgcgtcat	60
atccggccct	tgcgatcagg	gcttgaggaa	cccgcgccat	gaagtgcgtg	tttgttaccg	120
taggaccacc	agctttgacg	acctcattgc	gtgtgtgtcg	gcgcccagaca	gtctgcaaaa	180
aatcgagagc	cttggtttaca	accgacttat	cctgcaaatt	ggtagaggaa	cggtggtacc	240
tgaacccttc	agtactgagt	cgtttactct	ggatgtttac	aggtacaagg	attccttgaa	300
agaagacatt	cagaaagcag	atcttgttat	tagtcacgca	ggtgcaggaa	gctgtttgga	360
gactctggaa	aaaggaaagc	cactcgtagt	ggttataaac	gaaaagttga	tgaacaatca	420
tcagctggaa	ctggcaaagc	agctacacaa	agaggggtcat	ctcttctatt	gtacctgcag	480
gtcmvgactt	cctgggcagc	cagtccattg				510

<210> 12529

<211> 219

<212> DNA

<213> Homo sapiens

<400> 12529

agtgcgcccc	acagcggact	ccgagaccag	cggatctcgg	caaaccctct	ttctcgacca	60
cccacctacc	attcttggaa	ccatggcggc	agtggcgggc	gcctcggctg	aactgctcat	120
catcggtctg	tacatcttcc	gcgtgctgmt	gcaggtgttc	ctggaakgct	gcatttactg	180
ggtaggattc	gcttttccgaa	atcctccagg	gacacagcc			219

<210> 12530

<211> 449

<212> DNA

<213> Homo sapiens

<400> 12530

agtgcgcccc	acagcggact	ccgagaccag	cggatctcgg	caaaccctct	ttctcgacca	60
cccacctacc	attcttggaa	ccatggcggc	agtggcgggc	gcctcggctg	aactgctcat	120
catcggtctg	tacatcttcc	gcgtgctgct	gcaggtgttc	aggtactccc	tgcagaagct	180
ggcatacacg	gtgtcgcgga	ccgggcggca	ggtgttgggg	gagcgcaggc	agcgagcccc	240
caactgaggc	cccagctccc	agccctgggc	ggccgtatca	tcaggtgctc	ctgtgcatct	300
cggccagcac	gggagccagt	gccgcgcagg	aatgtggggg	cccctgtgtt	ccctcgccag	360
aggagcactt	ggcaaggtca	gtgagggggc	agtagacccc	ggagaaaagca	gtaccgacan	420
tracgaagat	accagatccc	ttcccaacc				449

<210> 12531

<211> 186

<212> DNA

<213> Homo sapiens

<400> 12531

agtgcgcccc	acagcggact	ccgagaccag	cggatctcgg	caaaccctct	ttctcgacca	60
cccacctacc	attcttggaa	cctcccaagc	ccaccctact	ccaaaawaat	gtgtcacttg	120
atttggaact	attcaagcag	taaaagtaaa	tgaatcccac	ctttactana	acattttctc	180
tgaacc						186

<210> 12532

<211> 210

<212> DNA

<213> Homo sapiens

<400> 12532
 atatattgtc tactgaaagc tgccgctgaa gctgccgccc ttgcctccgc cgccaagagt 60
 gagcgagcgg acccgcgatg gagaccatgg cgagcccagg gaaagacaat tatcgaatga 120
 agagctataa gaacaatgct ctaaaccctg aagaaatgag acgaagaaga gaggaagagg 180
 gcattcagct ccggaagcag aagcgagagc 210

<210> 12533
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 12533
 taattctcac ccccttcat ccctaagcac acacacatac ctttgttcag tactgaaagc 60
 aaatacctat aattttcaaa ctatgtcctt gaaatcatta aacctgatt tatgcacact 120
 ttaactcca attgttttca ttgtatcctc tctcc 155

<210> 12534
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 12534
 taaactatctt tgtgtttgac gcatcaaact tcaagttttt tgtaagtttc tctcctgaaa 60
 ttttctttct cttctatact ttatgcacck tactatacta ctgatgtaat aaaagagcag 120
 ggtaaaaaat attgtatctg tattcattgt gaatcctgta gcttttctag ttaacaaaaa 180
 atcgctttct aaaatactct taatcccatt gttttgggta acatcttacc catttgttgt 240
 atttcaaatg ccattaatca ttttagtaca acacctatgt ttataaaaaat ttgaaaacat 300
 tacatattgt attttaaact aattagttaa gagtaagaaa aaaactagcc aacagaattg 360
 taggt 365

<210> 12535
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 12535
 actacgcggg cctggacagt caggggtagg agcgggagcc gagaggaggc ggaggagatg 60
 gcgtcccagc cgccacctcc ccccaaaccc tgggagaccc gccgaattcc gggagccgga 120
 ccgggaccag gaccgggccc cactttccaa tctgetgatt tgggtcctac tttaatgaca 180
 agacct 186

<210> 12536
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 12536
 ctttttttgt ggtccggccc attgcgaggg tgacaggaaa ccctgtgcag ggagcgccgc 60
 catcttggac cagcccaggg aagatactga gggagcacag gagcagtcac cgctgccact 120
 gctactgccg ctactgctgc 140

<210> 12537
 <211> 262

<212> DNA

<213> Homo sapiens

<400> 12537

cgatagaata	agggaggtct	agagcttcta	ttccttgccc	attgtcaacg	gagagctggc	60
caagtcttca	caaacccttg	caacattgcc	tgaagtttat	ggaataagat	gtattctcac	120
tcccttgatc	tcaagggcgt	aactctggaa	gcacagcttg	actacacgtc	atttttacca	180
atgattttca	ggtgacctgg	gctaagtcac	ttaaactggg	tctttataaa	agtaaaaggc	240
caacatttaa	ttattttgca	aa				262

<210> 12538

<211> 270

<212> DNA

<213> Homo sapiens

<400> 12538

acatccaaga	tggcgctccc	aggagctggg	agcgggtgac	cggcggcggg	gaagcggcct	60
gggttgcccc	tcagattgcg	gggtctgggg	gcctctcgcc	gggcaaacc	ttggcccggc	120
tacaaggact	ttccccggcc	agagcaatgg	ccgctgagaa	cagcaagcag	ttttggaaga	180
ggagcgctaa	gctgccgggg	agcattcagc	ctgtatatgg	agcacagcat	cctcctcttg	240
acccacggct	cacaaaaaat	ttcatataag				270

<210> 12539

<211> 149

<212> DNA

<213> Homo sapiens

<400> 12539

gacacagaat	agctcgctgc	gaggatagca	atacacatca	agtctccctt	cctttatttc	60
yttccttttc	ccggccgcac	ctttggacag	aaaccgaaag	cagcccggcg	tccgtccgga	120
gtcttatgct	ttccccctcc	cccttgct				149

<210> 12540

<211> 202

<212> DNA

<213> Homo sapiens

<400> 12540

acacaatatc	atttaatact	cacagtagta	cctgtgaaat	atatcagatg	gatattccta	60
tctctatttt	acagcagagg	aaaccgaaat	tcagagaact	tacatttcta	aggttgatca	120
gctgcaaaat	gaccaaattg	tgaagtcctt	aacatccagg	ttttcataat	gccagtactc	180
tttctatgac	atgtttatga	cc				202

<210> 12541

<211> 392

<212> DNA

<213> Homo sapiens

<400> 12541

cacaatcctt	cgcgctyttc	ctttccaact	tggacgctgc	agaatggctc	ccgcaaagaa	60
gggtggcgag	aagaaaaagg	gccgttctgc	catcaacgaa	gtggtaaccc	gagaatacac	120
catcaacatt	cacaagcgca	tccatggagt	gggcttcaag	aagcgtgcac	ctcgggcact	180
caaagagatt	cggaaatttg	ccatgaagga	gatggggcca	ctacctgcaa	aacattttca	240
attttagatt	tggaaatgtt	aatctaataa	ctcattttcta	caccaactac	ttttttccaa	300

tcacttttat ataaagcatc tgttttcagc atttgtccac taatgaacca tatcaagtat 360
 atttttagtgc acaaacttca caaaagatga aa 392

<210> 12542
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 12542
 cacaatcctt cgcgctcttc ttttccaact tggacgctgc agaatggctc ccgcaaagaa 60
 ggggtggcgag gggttgtttt cccgggtgac attctggatc agcagggatg cattggaata 120
 tactgtttct cgtccactgc ctggaacgtc cctttttctt ctctgctctt tctcatatct 180
 tactcaaaga ctttcccaag gtgtacctaa acattttccc ctgaggtgac attttgcttc 240
 ttggaatttt ataacatttt atttattaca actttcaaga tttttaaaac ttttttgtgt 300
 gta 303

<210> 12543
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 12543
 ccgggaccgg aagtgtggga tactgcgagt atggcggcgt caaaggtgaa gcaggacatg 60
 cctccgccgg ggggctatgg gcccatcgac taaaaacgga acttgccgcg tcgaggactg 120
 tcgggctaca gcatgctggc catagggatt ggaaccctga tctacgggca ctggagcata 180
 atgaagtgga accgtgagck caggcgccta caaatcgagg acttcgaggc tcgcatcgcg 240
 ctgttgccac tgttacaggc agaaaccgac cggaggtagc accgcagggg ccaaggtrr 300
 gaggtcactg gccggaaggc ccantnctgc agggcctgac ctgcatcccc gaaggtggcc 360
 agaatgca 368

<210> 12544
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 12544
 ccgggaccgg aagtgtggga tactgcgagt atggcggcgt caaaggtgaa gcaggacatg 60
 cctccgccgg ggggctatgg gcccatcgac taaaaacgga acttgccgcg tcgaggactg 120
 tcgggtcagt atcactctgc gccgggggtct cagagtctgg gcaactcggg ctcgggggcg 180
 gggttccggg gacacaggcg ggccctcagtt ttcccggcgg tgtgaccgga ggccggaccgg 240
 ggatccatca tagcttctgt aataacgcta agtgcctgcag tttgttgagg tctttcccag 300
 ctctctcttc ttctcgtaac agcc 324

<210> 12545
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 12545
 aacatggcgg cggttttggc tgtgtgagga agacggaaga gacggcggcg gagggaaacc 60
 gacttccact agtccggrtc gcttgggcgg ccggggggccc tcagagtctc ccggggcagt 120
 gtagcagttg cagcaggatc aggcgcctgt cggcttctga cgtttaaaac agggggagcg 180
 gaagggagcc actggccgcn ntggcagg 208

<210> 12546
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 12546
 aatgtarcag tttgcaaacc gagaggagtt gtgaagggcg cgggtggggg gcgctgccgg 60
 cctcgtgggt acgttcgtgc cgcgtctgtc ccagagctgg ggccgcagga gcggaggcaa 120
 gaggggcact atggcagaca aagttaggag gcagaggccg aggaggcgag tctggtgggc 180
 cttggtggct gtgctcttgg cagacctg 208

<210> 12547
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 12547
 gacttccggg tcgcgggtgct tgaagggagt gttccgtcgt ttccgttgcc ggctgtttgc 60
 agtggggaaa ccgaggcagc tcctgctccc cctagttctt ccgctcctgt gaggaaaaaa 120
 aaatgtttat ttctttgtgg gagttcttct atgggcactt ttttcgattt tggatgaaat 180
 ggctattacg acagatgact gggaagtgtg aattgcagcg aatatttgat acctatgtag 240
 gtgcacaaaag gacacacagg atagaaaatt ccttgacata ctncaagaat aaggttttac 300
 agaaggca 308

<210> 12548
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 12548
 agtaatcaga gagcaaaaaa tctattcaat ctcttttaag ccagtgaata atgtagcaga 60
 gtcagaattg tcacaaccgc tgggtgcagc tttggaaaag atgaaagatg agagaatagg 120
 agaggaggag gagaggcccc tgcagctggg atcactcaga gacactctcc taaccttctc 180
 cttcaccatc tgggtgggaag aaggagcccc tga 213

<210> 12549
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 12549
 gcatttagtt gaagctgcag gggagtgagg gagaggagga taggaagcag gaaagcggga 60
 gagctcgagg gacaaggggg ctcggtgtgt ttacaccagg cacgggctac gagcgtccat 120
 cccggccccct ggcttgcgct cccgaagagg agagcaaggc tgttctggga tccggccgctc 180
 gtgcggcaag aggccttgtct gtccgggttg ccggaaccag gagaaccag agggaaaccg 240
 agggaaaagg gcggcgcggt tactagagag agcgcgaggw anagaggcga gacaggagct 300
 gcgcgagggga gcatcgagcg caggangaca tgaggaccta ctggctgcac agcgtctgg 359

<210> 12550
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 12550

aagagcggat	gtgagggg	ccgatggsga	gggaacggcg	gaggctcctc	tagagaatgg	60
tggtggtggc	gactcgggag	ccggagcttt	ggaacgagga	gtggcgccca	ttaagcgtca	120
atacctcacc	accaaggagc	agtttcacca	attcctggaa	gccaaagggc	aggagaagac	180
ttgccgggaa	accgaggtag	gagaccctgc	tggcaatgag	ctggctgagc	ctgagggctaa	240
gcggatccga	ctggaggatg	gacagacgg				269

<210> 12551
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 12551	
aagactatat	tttgagggat
aayttctata	gtgtgtttct
cgaggagtat	atctgaacgt
60	
gtagaacgct	ggaaaccg
agagggagat	atttgtgttc
tctcacgagt	grgatagcag
120	
ygtttggtgt	tgcgttatts
taactgctgt	ttgctgttgg
tgaycgttct	tctctagaga
180	
aggcagtctg	ag
192	

<210> 12552
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 12552	
agccattttg	tgcagtcgct
gggaaggaag	gagacgccta
aaccgcggca	ctgcccgggt
60	
tgagcgtasc	aaacctgccc
accggctttg	tagccccgat
tctctgtgtt	ttgctcccg
120	
ctccgacgag	agagggcggc
acggtggcgt	ctgcgacggg
agacagcgcg	tcggagcg
178	

<210> 12553
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 12553	
aacgtaaaacc	gcggcgcaga
tccaagtcgc	cggaccgggt
gtggagagcg	gtgctgaggc
60	
tacgcgggct	ggagactcag
ggtgaaccgc	agaccccgcg
aggaggcgtc	gctgtcccca
120	
agtgcccaag	acgcctcccc
tgccttcctg	aggttccac
gagtgatggg	gcgacttcgt
180	
cccagagagg	gatgcgagcg
ggaaaggaaa	taaaaataga
ggaacgggac	aaagcgtggg
240	
cacaggcgga	tgggcaatcc
cggaggcctc	tctaaggagg
cgacttctga	gcccagacct
300	

<210> 12554
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 12554	
caaacagaca	tggtcataaa
aggaaaaaat	ctcgttctcg
atctcagagc	aagtctcggg
60	
atcactcaga	tgcagccaag
aaacacaggc	atgaaagggg
acatcatagg	gacaggcg
120	
aacgatctcg	ctccctttra
raggtcccat	aaaagcaagc
accatggtgg	cagtcgctca
180	
ggacatggca	ggcacaggcg
ctgactttct	cttcctttga
gcctgcatca	gttcttggtt
240	
ttgcctatct	acagtgtgat
gtatggactc	aatcaaaaac
attaaacgca	aactgattag
300	
gatttgattt	cttgaaaccc
tctaggtctc	tagaacactg
aggacagttt	cttttgaaaa
360	
gaactatggt	aatttttttt
cacattaaaa	tgc
393	

<210> 12555

<211> 343
 <212> DNA
 <213> Homo sapiens

<400> 12555
 gggntttcag tggcttctgg tgctctaggg tgagctctgc ccggtctgcag ggatggcggg 60
 gaggggtaag ctcatcgag tgatcggaga caaggactcc atcctgcgca gggccagggg 120
 catgttcaact gccgaagacc tgcgctaggg gactcctcat agccctcagc ccttccctcg 180
 tttccaggcc tctccccagg cttgccatca gccttcttta ctttttgagc ctctgatttc 240
 caattccctg ctcttccca ctccattaag aggctaggtg aggcgcttct aggttgctgg 300
 ggctctgctg gttaaggaac aggaagcctg accatctccc tcc 343

<210> 12556
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 12556
 gttgcgtgct gccagcggga actgtgtagg ggtagatttt cgctgcagtg ttccccgagc 60
 ctggttagacg cagcgcgccg ggagactgag agaggaaagg atagaggaag tgctgccyta 120
 ggctgcatga gtcgaagcaa gcgtgtttcc ttcccgccag gcaagtgcc ttagaaaccg 180
 ggccccgccc ccttctggc ctgcattccc at 212

<210> 12557
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 12557
 ggagttaagt gaatcgtaa ggggtggagtc gaaaccgggg tcggggcccg ggccggctga 60
 gtgaaagggt gggtgattat cccgggagat agggcgaaag ggcagaaccg cggcaggggc 120
 caagcctcct caactatgac ctcaaccggc caggattcca ccacaaccag gcagcgaaga 180
 agtaggcaga acccccagtc gccccctcag gactccagtg tcacttcgaa gcgaaatatt 240
 aaaaagg 247

<210> 12558
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 12558
 gwggagcwgg ttgaaggaac ggggcagtcc cctgaggagc ggggctgggt gaaacgctag 60
 gggcgggatc tggcggagt gaaaaccgcg gcaggggcca agcctcctca actatgacct 120
 caaccggcca ggattccacc acaaccaggc agcgaagaag taggcagaac ccccagtcgc 180
 cccctcagga ctccagtgtc acttcgaagc gaaatattaa aaaggagcc gttccccgct 240
 ctat 244

<210> 12559
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 12559
 gcgggaggtc cggacactgg cggccatgga actcaccggt aatagaggac acatctctta 60

actgggttgc	tctaagaact	gatgtctaaa	ccgtctcagc	atggcctgta	gaggaggagc	120
tgggaatggc	caccgtgcct	cagctacact	ctctcgggtt	agccctggaa	gtctttacac	180
atgtagaacc	cgtacccata	atatatgcat	ggtatctgac	tttttctacc	caaatatggg	240
aggcgtggaa	agccacattt	accagctctc	tcagtgcctg	attgaaagag	cataagggtta	300
taattgtcac	ccatgcttat	ggaaatcgaa	aaggcatccg	ttactcacca	gtggcctcaa	360
agtctattac	ttgcctctga	aagtcattga	caacca			396

<210> 12560

<211> 314

<212> DNA

<213> Homo sapiens

<400> 12560

aggatggtac	agtctgcaga	ggggcccg	cacgctggct	gggctcagcc	gcggcaccag	60
ctgccgcacc	gcgattacgg	ggctgccgc	cggaaccg	tgcaggattg	gtggtgattt	120
tcatagccaa	gagccaccac	ccctgaccat	gtagatgcc	gtccaggga	gcagcatggg	180
ccccactgaa	tggagactcc	tgggtctaca	gccctgagcc	cctccggccc	ctggacctcg	240
tccacaccg	gaggacacct	cttggagctc	accaccactg	tcaccagccc	gcctcggcca	300
ccccacccc	ccgg					314

<210> 12561

<211> 358

<212> DNA

<213> Homo sapiens

<400> 12561

tcctatcaaa	agaatatgaa	aaattacttt	ggttaaataa	tttaaaaaaa	tttaataata	60
aattcaagtt	cctcttttcc	cttgttcaca	ttaattacag	tactattgaa	cttcccagcg	120
ttttagtttt	atttcctcaa	ttacagcata	aatccctcat	cacagtcattg	acataaatcg	180
ctgttaactg	attcaacaac	tctttaagtc	aaacctacta	atgacaagac	attatgggat	240
gtactagagg	agcctctttt	tcagggtgctt	agagaagtgg	aaggaatact	ctaaatcaat	300
agttgtagta	aatgtcattt	agtgtctatna	aatcaatggt	ggaggmngcw	kaagcaat	358

<210> 12562

<211> 390

<212> DNA

<213> Homo sapiens

<400> 12562

gtaattttcc	tgcgcctcgg	ggcgagcagc	ggcgcgcaag	gaaagatcgg	gttccgtttt	60
tcccgcggat	tctggtgcct	gtggggcccg	tgaccaaca	ccatgaagga	aacgccactc	120
tcaaactgcg	aacgccgctt	cctactccgt	gccatcgaag	agaagaagcg	gctggatggc	180
agacaaacct	atgattatag	gaacatcagg	atctcatttg	gaacagatta	cggatgctgc	240
attgtggaac	ttggaaaaac	aagagttctt	ggacagggtt	cctgtgaact	tgtgtctcca	300
aaactcaatc	gggcaacaga	aggtattctt	tttyttttaac	cttgaactct	ctcagatggc	360
cgctccagct	ttcgaacctg	gcaggcagtc				390

<210> 12563

<211> 398

<212> DNA

<213> Homo sapiens

<400> 12563

agtgtattag	tttaaatgaag	gttattttata	tactgtcata	ccacaaacct	atggtggaaa	60
------------	-------------	-------------	------------	------------	------------	----

gaacatctgc	attcaccaga	atgtacttgt	tcctttggct	gtgaataaat	tggaataagac	120
ttttttattg	taagttccag	ctgttggaag	atacgggat	aagattgaca	ttgctgttgc	180
agtattgcaa	aaacatgact	aaattgggta	attatgtcta	ccgcttatgt	ttaagagaat	240
cctttcacta	acttaaattg	ttaacattgt	tgtgatattg	agaaagaata	ttaacctaaa	300
cagtcacttt	acaacaatca	tgtaaagacg	tgtgctgca	gttgagggtt	ttttgcattt	360
ctgagcctgc	tttgtattca	tgagaarcaa	aaacataa			398

<210> 12564

<211> 91

<212> DNA

<213> Homo sapiens

<400> 12564

ggagtctcct	atgtgattag	gatggagatg	aagattccct	tgtttcacat	ttttatacta	60
accctattgc	caaacctatt	cctcaaacc	c			91

<210> 12565

<211> 315

<212> DNA

<213> Homo sapiens

<400> 12565

cagtatgcca	ttaaagttta	gtgttgtttt	tggttttggg	gggttttttt	ctgaaactga	60
atattataatc	tattttctctg	tatacgtata	tttttaaaat	cttctgaaag	gaactatggt	120
ccctgctgct	tcttcccttt	ctgaagtga	tatgatcttt	tcattggcat	tgcttagata	180
aaagtagagc	cttttcaatc	ttagatggaa	gataattcat	tttccacac	agaaaaaatc	240
tgacctttac	atgattta	ctgaagggtc	agaatttttt	aattttctagc	ccctcctcca	300
aaaaaatttt	aacac					315

<210> 12566

<211> 311

<212> DNA

<213> Homo sapiens

<400> 12566

taatattgaa	agattttgta	ctatatattt	taattgaatg	aatctacaca	taatctctgt	60
atctttgtgc	caacagatga	ccttcttgat	ttcttaaaaa	tcactactct	ctaattgtaa	120
atttagtaag	tagttgtgaa	acctcaacaa	agttaagaca	cagtgtgtga	ggtaattctt	180
gcttttcaca	aagctttgcc	tatagaatta	caggatttca	gatgtcagag	ttaggggaga	240
ccttaccagg	gaacaaagga	ggagtcaatg	ctgaatcctc	catacagatt	cattgccaag	300
tgctcttctg	c					311

<210> 12567

<211> 450

<212> DNA

<213> Homo sapiens

<400> 12567

ttgaattcca	gcctggccaa	cccttgacgc	catgtcttgg	cctcaagtgg	aacaagggtc	60
ccttgaggcc	agcagggttg	ggggagttgg	ggtgggcctg	agcctctttc	ctgctagagc	120
tcttggtcct	ccctgcctcc	amcaccatc	ctgctctgca	gaaccctgg	gtgctgagtg	180
gcaggagccc	cagggttgct	ccatctgggt	atggcnggct	gggtcactaa	cctctggatc	240
tgcttccttc	ctttccagat	tatgcggatc	aaacctcacc	aaggccagca	cataggagag	300
atgagcttcc	tacagcacia	caaacgtgaa	tgcagaccaa	agaaagatag	agcaagacaa	360

gaaaaatgtg acaagccgag gcggtgagcg ggcaggagga aggagcctcc ctcaggggtt 420
cggaaccag atctctcacc aggaagact 450

<210> 12568
<211> 468
<212> DNA
<213> Homo sapiens

<400> 12568
gccagatttt tgtgtgtgga aagacagttt tctatccacg tctttttctg tttgtcagaa 60
gggtgggagta tgggtccaaat aaatccatta gggttactcct gcagcatgcg ctttttagctt 120
ctctcttgca ctgaggatca aatatccctt tgtgagctgg ccctcagctc ctttgctcat 180
gtgtacaaac ctcagatggt actacatttt atatctacca gagctattca agcaatagta 240
tttgaaccac tagcctttta aataaaattc tgccccatta ctgatgtgca gatattgagt 300
tcactttcat tttttgccag atttctttgc actactttag gtaaaaaatag ttaatstatt 360
twtctttgac atcctagttt gcgtcagtga cagaacttac tgcttagtct ttgtactttt 420
taaaaaatct ataaatttaa tgcactgtcc aagtgaatg tcctagtt 468

<210> 12569
<211> 401
<212> DNA
<213> Homo sapiens

<400> 12569
tggttgctcg tacgcggcta gtgggtcctc agtggatgta ggctgggagc cgcgatgttc 60
gacgggacac cggcgagag cgacctcggg gttaaggggt ggggctgacg tcaggagcca 120
agatggcggc ggtggtcgca ctctccttga ggcgccggtt gccggccaca acccttggcg 180
ganctgcctg caggcctccc gaggagccca gacagtgcga gccacagctc cccgtatcaa 240
gaaatttgcc atctatcgat gggacccaga caaggctgga gacaaacctc atatgcagac 300
ttatgaagtt gaccttaata agtgagtatc tctgtgaaag ccatytattg aaggagagtt 360
cttgatttga tttagggaca tgcttttcam atccttgga g 401

<210> 12570
<211> 227
<212> DNA
<213> Homo sapiens

<400> 12570
atagaccatt gtaaggactt gggttttcaa aaaatctgac tgagatggga agcgattgga 60
aggttttgag cagaggagta gcatgatgtg attgagatat ccctgactac tgtgctggga 120
gtggattgag ggggcgtggg agcggccttg atgaggaagg attggctggg ggctaacaga 180
gtgcagggaa gaggtggat tctgcatatg ttgaaattgt ggcaaag 227

<210> 12571
<211> 114
<212> DNA
<213> Homo sapiens

<400> 12571
agatttccat atcaccccaa atgatgggtga ccctctccac ataatgcatt acaacagaac 60
attcttgaat cacccaaccc tggatcagaa acctcccat taacaaacac tgcc 114

<210> 12572
<211> 497

<212> DNA
<213> Homo sapiens

<400> 12572
ctcacgtggc cagccccctc cgagagggga gaccagcggg ccatgacaag ctccaggett 60
tgggttttcgc tgctgctggc ggcagcgttc gcaggacggg cgacggccct ctggccctgg 120
cctcagaact tccaaacctc cgaccagcgc tacgtccttt acccgaacaa ctttcaattc 180
cagtacgatg tcagctcggc cgcgcacceg gctgctcagt cctcgacgag gccttccagc 240
gctatcgtga cctgcttttc ggttcggggt cttggccccg tccttacctc acagggaaac 300
ggcatacact ggagaagaat gtgttggttg tctctgtagt cacacctgga tgtaaccagc 360
ttcctacttt ggagtcagtg gagaattata ccctgaccat aaatgatgac cagtgtttac 420
tcctctctga gactgtctgg ggagctctcc gaggtctgga gacttttagc cagcttggtt 480
ggaaatctgc tgagggc 497

<210> 12573
<211> 97
<212> DNA
<213> Homo sapiens

<400> 12573
acaggatcta gaacaagctg tccccacaaa cctctaggct ctgggtgttg accgtgcact 60
gagccagact ctctcttctt gggagacctc agtcaga 97

<210> 12574
<211> 194
<212> DNA
<213> Homo sapiens

<400> 12574
tttaaaaagt gtctgtaaat cttcagtgtt aaaaaaacag atgcccattt gttggctgtt 60
tttcattcat aataatgtct acattgaaaa atttatcaag aattttaaagg atttcatgga 120
agaaccaagt ttttctatga tattaaaaaa tgtacagtgt taggtattat ttgaatggaa 180
agacacccaa aaaa 194

<210> 12575
<211> 293
<212> DNA
<213> Homo sapiens

<400> 12575
agggccagag cttgcggggc gcacagagcc cccaggcctc atggcgcaga aacctctcag 60
caccgcggcg gctgaacgca tgaaccttgt gggtcaggat gagatctgga aataccgtct 120
gaaaggntga atcggaagca cggcagaact ggccccagaa ctggggggtt ttaacaaccc 180
cttttgagga gttgatcaag tgtgaagaag atctccccac cccaaagccc aaaatcgagc 240
ttcctgarcg tttccgcata cggccgggtga cccagtgga gaagtacatc aag 293

<210> 12576
<211> 126
<212> DNA
<213> Homo sapiens

<400> 12576
ggcctgttcc ttctctctga acccctcacc tgcctttgcc cccacaggac actctgagca 60
ctttcaggac gcctttgagg gttcctcctg ggacatggga aacctctctc ttgccctcta 120

126

```
<210> 12577
<211> 139
<212> DNA
<213> Homo sapiens
```

```
<400> 12577
ctgtgttaaa tttctttgcc tcttttttta gccatcccat cagatgatgc ttagaagtat    60
ccagagttgg catcaactga ggtggtttca acactgcccg cgccctgcag gcctaaacct    120
ctggatgccc agtccccac                                     139
```

```
<210> 12578
<211> 502
<212> DNA
<213> Homo sapiens
```

<400> 12578						
ttttgtttct	acaaaataaa	tctagttttg	tgattggagt	gttgcttttc	tggctggaaa	60
cctctgtggc	cagtggtgcc	tttgcccaag	ttttgggtct	gcaccaggg	agaatgaggt	120
aggcagacaa	gtggagggtg	agcaagatga	agagaagggt	tattgcatgt	tagaacagct	180
cggaggagac	ctgcagtagg	gtagctcttc	tctgtaggca	ggttgtctca	ttgagtcttc	240
agctctcagc	agagaggagg	ccctggaatg	ggtaggtcct	ctctgtaggc	aagtcatccc	300
agtgagtgtt	cagctctcag	gagagagggt	aggtcttctc	tgcagctggg	catttggcna	360
cttcactctt	cagcagtcag	gaggccctga	agaggatagc	tcctctctgc	agctgggtcat	420
ccrgtagtct	gcagctctca	acagaargga	ggcctggaga	aggtrctcct	ttctgcrctg	480
ttcatcccaa	catctgttct	gc				502

```
<210> 12579
<211> 170
<212> DNA
<213> Homo sapiens
```

```
<400> 12579
atttgcttat ctgtttcttc tctctttgaa agtggtgat tccctgcggt gtgcaagttc 60
gactggaaca ggctccaggg agttccacgc tgtccagttc tctctgccgt gataaacctc 120
tqtqccccgt catcctgagt ccacccatgg aggagggccca tgggctggac 170
```

```
<210> 12580
<211> 287
<212> DNA
<213> Homo sapiens
```

```
<400> 12580
cttccatgcc tgtaaatctc ctgttcacatc ttcagcatct aactcacatt atcatctcta 60
cctggaggcc atctcagaaa cctcttcctc tgtgccttcc ctcatacca ggacatatct 120
ccattgtgca tatcacata tattaacata ttcgtctgtk tccttactca accatgagtt 180
ctttgagagc agtgtctgac atatagctca ataagtgttt tattaatgtc attttgaata 240
gcagtgatca gtttatttct ccccagccac ttccccctcc taccCGA 287
```

```
<210> 12581
<211> 198
<212> DNA
<213> Homo sapiens
```

<400> 12581
 ttgcctccct taccctcatt ttccaaacct cttgtaccct cctctccctc cccagctgg 60
 tatgtaagt tcttgaagtt cagtatgtta tgatggacca ataattctgc cacttcgggt 120
 ttctccctac attcctgctc cccagttttc atgtggggta ctcaactgac attcccatgg 180
 ggtttccctc ccatctgc 198

<210> 12582
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 12582
 atttcttcca acgaaacctg aataaccagc tatctgcctg ggacgccgag aggcagaagt 60
 aggcggggccc attgacttag tgtcaaggcg gagggccgag ttcattgccag cggtcacgga 120
 ggcagcgga agccgagcca ggcgcctgag cgctgggaag agtaggttca gagtgc 177

<210> 12583
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 12583
 aattgttgta tattagtcac ctctcaaaaa gaatttttaa ttgctgatac caaatatatt 60
 ggttttctct aatattatta aggggcatag gggaagtaga gggatgggat gggatagcat 120
 tgaatctcat caatatgtgt acttttactt tcttttgtaa cagccaccaa aaaagacagc 180
 caaaagagaa aaacctaaac agaaagctac ttctaaaagt aaaaaatctg tgaagagtc 240
 caatgtttaa aaagcagata gcagcaccac caagaagaat camaacagtt ccwwaawaag 300
 aaagtgaagt ctgaggatag ttcagatgwt gnncccttaa ttaaaaamgt tgaagaaacc 360
 ccctacagwt gaagagttaa aggaacaat anagnaatta ctggccagtg ctaacttga 420
 agaagtcaca atgmaacaga tttgcaaaaa ggtctatgaa 460

<210> 12584
 <211> 632
 <212> DNA
 <213> Homo sapiens

<400> 12584
 tctctgcagc catctgcttt catcagggt gcagccccc ggcagcagta ctgggagccc 60
 ctctcatctc cgagaataaa ctctgaagcc agcgaccctg cggacctgaa tcatcaggga 120
 gcctgtcaga ggaggggagc tgactctgag ggacaagcaa gcaggctata taagtttcag 180
 aaggtctggc tccactcaga tcttttccag cagctgctgc ctgccagaga ggcgccttca 240
 gagaccagc gcttacacaa taccaccat gtcccaggct ggtgctcagg aagcccctat 300
 caagaagaag cgccccctg tgaaggagga ggacctgaag gggggccgag gaaacctgac 360
 caagaaccag gaaatcaagt ccaagacctc ccaggctatg cgagagtgtg agcaagctgg 420
 ctgggcccgc ccgtcggtgt tcagccgcac ccgcacaggt accgagactg tctttgagaa 480
 gcccacagcc ggaccaccca agagtgtctt cggctgagaa gtgtgcgcca ctccccttgc 540
 tgcccgaatg ctcggaacaa ggagccttac ccaggaactc ttttttatgc cagaacgctt 600
 cctctccctc gctgtctctg gggtgccac cc 632

<210> 12585
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 12585
tctctgcagc catctgcttt catcagggct gcagcccccga ggcagcagta ctgggagccc 60
ctctcatctc cgagaataaa ctctgaagcc agcgaccctg cggacctgaa tcatcagggga 120
gcctgtcaga ggagggggcag tgactctgcg ggacaagcaa gcaggctata taagtttcag 180
aaggctgggc tccactcaga tcttttccag cagctgctgc ctgccagaga ggcgccttca 240
gagaccagc gcttacacaa taccacccat gtcccaggct ggtgctcagg aagccccat 300
caagaagaag cggcttctga aggcgggtgt catctctgcc ctggcttgca tggtgaaagc 360
agatagtgcc atcctcactg accagaccaa ggagctgctg gccagggtat tcctggcact 420
gtgtgacaac ccaaaggacc gaggcacccat tgtggctcaa ggtggtggca aggcctgaat 480
tcccctggct ttrrgagggc acagatgtgg gcaagggtgaa rgcagcccac gctctagcaa 540
agatcg 546

<210> 12586
<211> 222
<212> DNA
<213> Homo sapiens

<400> 12586
cagtttgaac caaagacgcc caaggttgag gccgagttcc agagcatggg gtctcggttg 60
tcccagcctt ttgagtccta tatcactgcg cctcccggca ttgccacctg gggatatcgtt 120
gtcatggcag accccaaagg gaaggcctac cgcgttggtt gaaagtacca ccagtgaatc 180
tgtcttctgt ctctgtccct ttcccctga cacacagasc ag 222

<210> 12587
<211> 365
<212> DNA
<213> Homo sapiens

<400> 12587
aacagagact gcgcaggggg cctgagcggg agagtcctgg cgagggcgct ggccgagagg 60
tgctcggctt gtagcaggtc ccgcactcca gcctctcgt gccagggtt gctctctgct 120
tgtcctgggc tgaggtgtcc atgacggagt catccaagga ggaaaaaatc tggtccgggt 180
gagcccaggc cgccccggat atgcatggc tgaggagcag acaccaggga ccacactgag 240
gttggttttc agaccaagay actggattct cctagttaag ataaagagct ttgggtgcct 300
gacagtgaat atggtgtaat ctgcgttaac agttcacagc ttgaaggcat gacaattaaa 360
gagca 365

<210> 12588
<211> 200
<212> DNA
<213> Homo sapiens

<400> 12588
gaggtaggtc ttattttttt aaaacccaat ttgccactct atctctttta agtggagtgc 60
tgaggccatt tccattcaag gtttttattg gtatgtgagg gtttgttcct atcatggtgt 120
ttggattgca tttggcaacc caaggaacm wttgcttaaa cctggaacat ctcacctttt 180
taaatcctaa aaaacactgg 200

<210> 12589
<211> 430
<212> DNA
<213> Homo sapiens

<400> 12589
 agcggtttggg tcaagatgaa ggcgggttct ggacagacgt aaccagtcag ggaatgttta 60
 ctttgccctcc acttctgttc ctccccgccc tgggtgctgct ccgggtcaca tactcgctct 120
 gagccggctt cagcctctcc gcgcagaagt ctcccggagc cgacttctga gagtcgagta 180
 ctcttatgtg aagactacca agctcgtgtt caagggaacc aaggcgaaga gtaagaagaa 240
 aaagaacaaa gataagaaaa gaaaaagaga agaagatgaa gaaaccacagc ttgatattgt 300
 tggaatctgg tggacagtaa caaactttgg tgaaatttca ggaaccatag ccattgaaat 360
 ggataaggga acctatatac atgcactcga caatggtctt tttaccctgg gagctccaca 420
 caaagaagtt 430

<210> 12590
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 12590
 aaacaaccct gcggcnggca ctgagtgtct cgcagctgtc tgggcgagag gcacagcgat 60
 gggctccgtg ctgagcaccg acagcggcaa atcggcgccc gcctctgcca ccgcgcgggc 120
 cctggagcgc aggagggaaac cggagttgcc cgtcacgtcc ttcgactgcg ccgtgtgcct 180
 tgaggtgtta caccagcctg tccggacccg ctgtggccac gtgtaagtcc caggggagct 240
 cggtttgcgc ccacccctaa ggagggcgat gtgggggaagc tgagggcatg gtgtggggaa 300
 ggagggggac ggaagacagc ctcttaggaa attgctgcag ggagaaacct ggacccgtcg 360
 gatgcagg 368

<210> 12591
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 12591
 attccattcc tgagttactt cacttagaat aatggctctcc agctctatcc agggaaaacc 60
 aagaccaga cctggagacc tgaatgagat ttttcgaatt ggctatgagc actgggcc 118

<210> 12592
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 12592
 attagaccg gtccaattgc tggggctgca gcgctgcctc cgagaccgcg aggtgggtgg 60
 agcgggtctt cctggaaggg tgcgataagg ccgggcgagg tgcttgggat gcttctcccc 120
 ttccgcgagg aagagatcta attgggtagg gcgggtgtag actagcctgc cgagccgccc 180
 gctggcacct gcagcctcct gggcgcccgc cgggcccccg cgagaaagt gttaaagga 240
 gcgaggtggt tgttcttggg gtccgaggcg cgcctctcac gccctgcca acagaagccg 300
 cagtcccgtg gggctctggag acgcagtctt ctgttaatga caataaatcc ctgctcccc 360
 tgyctcagac atctacgcag cgaaatcgag cctggccttg agggccaca ccgcg 415

<210> 12593
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 12593
 ttaaatagat tgtttcataa cattatgaac ttacatctat acaccacaca ttatatacta 60

ttacatctaa attggctcac tcagcactga atttggctct tcagagagat cttgtaattc	120
ccagtaccta gcttagagcc tagttagagt agctagtaaa agctcaatga gggagtttta	180
aaaaatcttc tcttagtgcc ctgtggatac ttcaag	216

<210> 12594
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 12594	
aatctctctc ggggtggagtc ttctgacagc tgggtgcgcct gcccggaac atcctcctgg	60
actcaatcat ggcttgtggc ctgggtcgcca gcaacctgaa tctcaaacct ggagagtggc	120
ttcgagtgcg aggcgaggtg gctcctgacg ctaagagctt cgtgctgaac ctgggcaaag	180
acagcaacaa cctgtgcctg cacttcaacc ctgccttcaa cgcctcaggs acgccaacac	240
catcgtgtgc aacagcaagg acggcggggc ctgggggacc gagcagcggg aggcctgtctt	300
tcccttccag cctggaagtg ttgcagaggt gtgcatcacc ttcgaccagg ccaacctgac	360
cgtcaagstg gccagatgga tacgamtcca agttccccaa ccgcctcaac ctggaggcca	420
tcaactacat ggcagctgac ggtgacttca agatcaaattg tgtggccttt gactgaaatc	480

<210> 12595
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 12595	
gttgactagg cgctgttctt gctggctggc gcccagggc ctggagaggt ctgaagaaac	60
ctgggagcca gcagcccggt gctccactct gggttctgaa agccattcc ctgctctgcg	120
gctcctccca cccacctct tctcagcctt gcagctcaag ggttgatctc aggagtccag	180
gacccargag agggagaagt ctgaggaaca cagaacagtg agcgttgccc acaccccatc	240
tcccgtcacc acatctcccc tcacctcac cctccctgcc tggccttggg ccccatccca	300
ggacctccct atcagctgac ttcttccagt gtcttgcnng gccctcttgg gctcctccct	360
ccc	363

<210> 12596
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 12596	
aggaaggggt ggtgtagggc cgggagataa tggcggcgtc gaggctggag ctaaacctgg	60
tgcggctgct atcccgtgc gaggcgatgg cagcgagaa acgggacctg gacgagtggc	120
gcctggagra gtacgttagga	140

<210> 12597
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 12597	
agaggagggg cgccggtggg gagatgcgct cccaggtgtt tgcagcggaa gtgggaaacc	60
tgtagggtat ggtccagctg tgccgcaccg aggcgagcag gagcaggaa cagccatgtg	120
acaaatctgc agccctttg ccatgattaa aggtctcctg aggcctgac cagaagcaaa	180
cgctagtggc aggccttctg tacagccgcg	210

<210> 12598
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 12598
 aggcgtattg tggataact gttgctgtat ttattcaaatt ggacaatttg caatagatat 60
 tataccagg acgacagata agtcaacaca taagtagaga cgggggtttca ccgtgttagc 120
 caagatgggc tcgatctcct gacttcgtga tccgcccgcc tcgacctccc aaagtgtcgg 180
 gattacaggc gtgagsaccg tgcccgg 207

<210> 12599
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 12599
 cagagtagga actttctaga ggtttaaacc tgtgagcata gtggaacatg gtaggcactc 60
 agtgtatagt tgttgaatga atgaatgcat gaactcactt ttatatgtca atccccattta 120
 gcattttgat gaaagatgtg ggttcagatc atattgtata g 161

<210> 12600
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 12600
 agagcgggtg cggcgggtgc gcsgggtgtg agtctctcgc cgccggagga agatgaggct 60
 gaagattgga ttcattctac gcagtttgct ggtgggtggga agcttcctgg ggctagtggg 120
 cctctgggtct tccctgaccc cgcggccgga cgaccaagc ccgctgagca ggatgaggga 180
 agacagagat gtcattgaccc catgcccac cgaggcggca atggactagc tcctggggag 240
 gacagattca aacctgtggg accatggcct catgttgaag gactagaagt ggacttagag 300
 tctattagaa gaataaacia gg 322

<210> 12601
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 12601
 ctctctccgk acccggaggc cgcccggcag aggcaaagg tgcctggatac cgggtgcgggc 60
 ctgcctcggg cgacattcgc gcacgcacac gaacttcag ccccgacatt ttcgcgggaa 120
 acctgtgtct gtcttgagct ggccagctaa actatgtgga ccagctact ggctatgtgg 180
 tgctcacaca gattgccac ttgcaaagag gtgaatgttg tggctctgcg tgcagacatt 240
 gtccatattg tcaagtcaat gttaaagatc catctaaaaa g 281

<210> 12602
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 12602
 agaccgccgt gagagaggag gggcgccggc cgggattcgt ggcccggagc tcgggaccgg 60
 agtcaggaat ggagagaagg gtaatggtgt tacctcttat tgtggaaacc tgttgagatc 120

acagagaata tactgacg

138

<210> 12603

<211> 346

<212> DNA

<213> Homo sapiens

<400> 12603

cactacagta	ggactgctaa	gcaaagattc	aggaaagaag	ctaggaattg	gtattgttcc	60
agggttagtg	cataaagagt	ctggcaagaa	gtaggactt	ggcactgtgg	ttggactggg	120
taataaagat	ttgggaaaga	aattgggttc	tactgttggc	ctagtggcca	aggactgtgc	180
aaagaagatt	gtagcaagtt	cagcaatggg	attggttaat	aaggacattg	gaaagaaact	240
aatgagttgt	cctttggcag	gtctgatcag	taaagatgcc	ataaacctta	aagccgaagc	300
actgctcccc	actcaggaac	cgcttaaggc	ttctttagtg	acaaac		346

<210> 12604

<211> 495

<212> DNA

<213> Homo sapiens

<400> 12604

cctactcttt	ctattgtagt	atacttcttt	aatctattag	tattataatt	aaaatattta	60
gactttattg	ctttatgtgt	gccatttttcg	aaggcttttc	actttcctag	aaagagtaca	120
tttctagaag	taaaagtgc	aggctatact	agcaaagcct	tactcaagaa	tcatcagatt	180
cagaggctag	ggaaatactc	tatgttctta	gtttttcata	gccacggaaa	agaattaaga	240
gataatttaa	tctaccccg	taccatctgt	tcttatatat	ggaaatggga	cttaaaaaat	300
gacttgtcca	agatcattta	atagagtatg	gtaagcaaag	taacagtcca	aatgtgtgat	360
atcttttttt	taaattgtnt	ttgtgtaa	ttatggggta	cagtgcawtt	ttggttacat	420
acatggattg	cttagtggtg	aagtttagagc	ttttagggta	ttcatcacat	gaataacaca	480
cattgtacca	ttaaa					495

<210> 12605

<211> 396

<212> DNA

<213> Homo sapiens

<400> 12605

aagtgaagc	ggttgcgag	tgaaggctag	acccgggttta	ctggaattgc	tctggcgatc	60
gaggggtcct	agtaaccgc	aatcatgtct	attatgtcct	ataacggagg	ggccgtcatg	120
gccatgaagg	ggnaagaact	gtgtggccat	cgtgcagac	aggcgcttcg	ggatccaggc	180
ccagatggtg	accacggact	tccagaagat	ctttcccatg	ggtgaccggc	tgtacatcgg	240
tctggccggg	ctcgccactg	acgtccagac	agtgtaaagt	tcaagggtcc	ccgccacac	300
ccaggcctct	tcttggaaca	tccaaccccg	gcgtcttgac	cggccaagggt	gtcagtcac	360
taccacacac	caccagttag	tttgagactt	tgccgs			396

<210> 12606

<211> 142

<212> DNA

<213> Homo sapiens

<400> 12606

gctggttggtg	atggtggcta	tgacaaacct	tcagcctgaa	gacccgggag	ggaaaaatgt	60
ggcactgctc	ttgcaagaca	aggaacccgt	ggctcagcac	cacctgccat	aactgcacac	120
tggcacagct	tctagcaata	cn				142

<210> 12607
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 12607
 tttttctttc ttttaagcatt tcacacatag ttactctgtg tttgaatgaa accttgagca 60
 tccagattcg ttttctgctg atatcacctg tgatgtatta tttccttttg cggatggagt 120
 atattaggag gttatgtttt gctcagctta ctctgtgaga accacagccc tccryagtgg 180
 atgcttccct gtgaggggtg gcgtctgctg atgcgagagc tgcctgagac ctgggctcct 240
 cttgagggcc tccagactgc tgccccaca cgctactgtg gcgatgggtg acggctgttc 300
 cttccctca cctccac 317

<210> 12608
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 12608
 ttaggaatca tttctctcat ctctttccta ctactatcc agttccaatc catcacagtg 60
 tttatagaaa ttaccagtca actttctctt taaatcatct acttctattt ctttcttctt 120
 tcaatataga ggtaaactt gttgaaactt tgttttcaaa tttaatgaat gactttatat 180
 atagttttgg ttttttaact atatgaatat atcacctata acaaatgcaa atatttgttt 240
 cacacatcca tccta 255

<210> 12609
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 12609
 agaacgggtc acgtgagcgc ctgcctgga tgtgagtttc agccaggtct gtgaagcggg 60
 ttttaagagg tgagggcggg ataaaccttt attagttgtt ttctgtttat cacaggtata 120
 gagacaacmt tacccaagag gtcatggcag aatcaacagc ttgttttggt ttctttaaac 180
 gggg 184

<210> 12610
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 12610
 ttattctttg cacaattggt tcattgtttg acacttaatg cactcgtcat ttgcatacga 60
 cagtagcatt ctgaccacac ttgtacgtg taacctcatc tacttctgat gtttttaaaa 120
 aatgactttt aacaaggaga gggaaaagaa acccactaaa ttttgctttg tttccttgaa 180
 gaatgtgaca acactgtttt gtgattttat ttgtgcaggt catgcacaca gttttgataa 240
 agggcagtaa caagtattgg g 261

<210> 12611
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 12611
cattaaaaag ttcattcctt aacacaaatgt ttcaagttaa accttttgtg tcaccgcccc 60
caccaaccac cacctcctaa atcctgacag cactgtttgc ttcccagcta gacctgtgtg 120
agaggtgtct ggaaatcatg catggtgtat ttgggactat atcaacctat tctccacact 180
tcagacaact gtctgcactc acggcacaca cactttgtat catgcaggcc aactcagag 240
ctagtcatta caagaacagt ggtgcggtgm cagtctgtgt ccgttgtgat cacaggcctt 300
gctagaccct gatcatctgg ttctcctctc attaagcatc cctaaccccc agtcacacct 360
tcctcttaca 370

<210> 12612
<211> 503
<212> DNA
<213> Homo sapiens

<400> 12612
agggcatggc ctaagccggt cagctaaggc catgttaata cggggctgtc ccatctctct 60
gcggggcgcg acastggaag agccgaacgg ataagagaag aggaggtgag aggagctgta 120
caccacaaga ggcactgagg gactcaggwn aacgggatga agccgtcagt gccccagaa 180
acgaagcggc cccggacgaa tttctgagtc accgtcgcga gaaagcgggc tgagccgcca 240
ttttgaagcc tggcaaaccg aagcaagaaa tgctgccgtg ttggatcttt gccagccttc 300
gtgccgaatg ggagcagggt ggagggaggg agagccaata tacactatgg gctgattaag 360
cccgttggc tgccatgttg ttaacgagca ccgatttctt ctactttngt cgaagaagtt 420
tattgtgggt cagggacgtc aggtcgcttg ccttcgttta ctgtggtcat gattgaknat 480
atgaggacgg ccattattgc tgg 503

<210> 12613
<211> 330
<212> DNA
<213> Homo sapiens

<400> 12613
tttgcctcgg aagtgccttc tttgcccgcg gttcgccaaa cgaakcgtgg aggtggcgaa 60
acgaggagga gataacgcgg ccttgggctc tgggtgtctc cagtctgcta aagccctaag 120
gccatcacca tggacttcca gcacgcctc gggggcaaga ccgggagcgg gggcgtggcc 180
tcctcctcgg agagcaaccg tgaccgcagg agcgcctcgg gcagctggcc ctggagacca 240
tcgacatcaa caaggaccgg tacttcatga agaaccacct gggctcctat gaatgcaaac 300
tctgcctgac acttcacaac aatgagggga 330

<210> 12614
<211> 335
<212> DNA
<213> Homo sapiens

<400> 12614
acttcgcat tttcctccgg aagtgcggat ccagcggcg gtcgtgtagc tgagcagsc 60
tggggcttgg ttctatgtcc ctgtggctat gttccagtgc tctctgggt gtttccaaga 120
gcaacaagaa acgaataaat ctctgacct tctcaggtgc agccagagag aactagccc 180
actgatggac ggacagacgt gggcagggtc cgtgtcacta aaccacccac cactgccaca 240
gctgcctaca acagacacat cagatgacac tccgggcaaa taaatgattt tcaactgagga 300
ctactggttt taataatkgg tcttggtgta gagaa 335

<210> 12615
<211> 532
<212> DNA

<213> Homo sapiens

<400> 12615
gggcccttggg tacggaagcc gaggaaggct gagcgcgggc tctcaaggaa agtagtcgcg 60
gaatctcagt tagcgggtgga gaggcagtat gtccggttca atggcgactg cggaagctag 120
cggcagcgan tgggaaaggg caggaagtcg agacctcagt cacctattac cggttggagg 180
aggtggcaaa gcgcaactcc ttgaagggaac tgtggcttgt gatccatggg cgagtctacg 240
atgtcaccgg cttcctcaac gagcaccctg gaggagaaga ggttctgctg gaacaagctg 300
gtgtagatgc aagtgaagc tttgaagatg taggacactc ttctgatgcc agagaaatgc 360
taaagcagta ctacattggg gatatccatc cggtagaac tatcagagat gggagccctt 420
atgcagagaa aactacttaa cagctgcaga acaggatgaa gaaatgaatt attggctggg 480
cgtgggtggc cacacctgtc atcccagtac tttgggatgc caaggcaggc gg 532

<210> 12616

<211> 505

<212> DNA

<213> Homo sapiens

<400> 12616
gttggttggc tgaggctggc ttctgcgtgg tgcagctgcg cacgtgtttc agccggcagc 60
gctttaagat ttccggggat ggaatccgaa atggaaacgc agagcgccgg ggcagaggag 120
ggctttaccc aggtcaccgg caaggtggcc gacgggagaa gaaacgacag gctgaacagc 180
tgtccgcagc aggagagggc ggggatgagg gscgcatgga cacagaggag gccaggccgg 240
cgaagaggcc cgtcttccca cccctctgtg gggacgggct cctgagtggg aaagaagaaa 300
caaggaaaat tccagtccca gctaacagat acacaccatt gaaagaaaac tggatgaaga 360
tatttrnnct attgtggaac atttgggact tcagatacgc ttaacttga aatcaaggaa 420
tgtagaaatc aggacttgta aagaaaccaa ggatgttagt gctctgacaa aagcagctga 480
ttttgtgaaa gcttttattc tcggc 505

<210> 12617

<211> 385

<212> DNA

<213> Homo sapiens

<400> 12617
aaaggtgagg cacggccctg cagattttcc agcggatccc ccggtggcct catgtcgcg 60
agtgaaccg atctcagca acgacagcag gcgtcagagg cggacgccc agcagcaacc 120
ttccgggcaa acgaccatca gcatatccgc tacaaccgc tgcaggatga gtgggtgctg 180
gtgtcagctc accgcatgaa gcggccctgg caggggtcaag tggagcccca gcttctgaag 240
acagtgcacc gccatgaccc tctcaaccct ctgtgtcctg gggccatccg agccaacgga 300
gaggtgaagc tgtagagccc tgcattctga ggctgggcca cggggagtag ttccctctta 360
gaactgtcct ccaccacag ggata 385

<210> 12618

<211> 454

<212> DNA

<213> Homo sapiens

<400> 12618
aaaggtgagg cacggccctg cagattttcc agcggatccc ccggtggcct catgtcgcg 60
agtgaaccg atctcagca acgacagcag gcgtcagagg cggacgccc agcagcaacc 120
ttccgggcaa acgaccatca gcatatccgc tacaaccgc tgcaggatga gtgggtgctg 180
gtgtcagctc accgcatgaa gcggccctgg caggggtcaag tggagcccca gcttctgaag 240
acagtgcacc gccatgaccc tctcaaccct ctgtgtcctg gggctatccg agccaacgga 300

gagtaagggtc atgtgcttcc acccctgggtc ggatgtaacg ctgccactca tgtcgggtccc 360
 tgagatccgg gctgttgttg atgcatgggc ctcagtcaca gaggagctgg gtgcccagta 420
 cccttgggtg cagatctttg aaaacaaagg tgcc 454

<210> 12619
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 12619
 catgctggag cagttgcatt ttcaattagt gctgggattc ctaaagttgg tgtcttaatg 60
 gagtcagttt ggaatatgaa tgacagctgt agatttcaac ttagatctcc tgaaagcttg 120
 aaaaacatgg aaaaagctag caaaactact gaagctaagc ctgaaagtaa gcaggagcca 180
 gtgaaaacag aaatgggtcc tccaccatct ccagcatccg tgtagtgatg catcctcaat 240
 tgccagcagt gcatcaatgc atacaaacga cgacgggtcaa cccctg 286

<210> 12620
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 12620
 aagaggcaag aggtagcaac cgcgagcgtg ccggctcgcta gtcgcgggtc cccgagtggag 60
 cacgccaggg agcaggagac caaacgacgg gggctcgaggt cagagtcgca gtgggagtc 120
 ccggaccgga gcacgagcct gagcgggaga gcgccgctcg cacgcccgtc gccaccc 177

<210> 12621
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 12621
 agaaccagga aggcgctgag cttaaactga agcaagttcg gtggacgccg gcggsccttg 60
 atctaaagaa acgactcagg gactgcggcg cttgcacgtc aacgggaggt gtgagcccaa 120
 agaaatggga cgtcgggtcat cagatactga agaagaaagc agaagcaaga gaaaaaagaa 180
 aca 183

<210> 12622
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 12622
 actggggcac cgatctgcgt agaaacgggt ggcgggggaag agaggggagg agagctctga 60
 gtgggaagcg gaccgggggc ctgggacccg tcgcgtcaga gccaggcaag tgaacyggag 120
 caaacgactt ccgatccagt ctgcgtgtt gcggctcccc tttgggattt gatttgcagc 180
 atctttgagc ctctacgaca aaaaaccgcg aasacgcccc gccctcccc ggcaccccga 240
 aaagc 245

<210> 12623
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 12623
 acttccttcc ccaaacttag agcgcggggg cctcagccct cgccgcctgg ttcttcagcc 60
 gcgaaggccc gcgggagatc ctggaaacga gcggccgcgr ttcccaagcc cactgtttcc 120
 tggctggagt tcgatgggat taacttcctc tccgagtaga atagcgctct ctcgatgtca 180
 ctgtgtccca g 191

<210> 12624
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 12624
 ccggctgacg tgtctttcag gaagaggagc tggtgagaag acagcgaaat ggcgccctccg 60
 gcccccgcc cgccctccgg cggtccggg gaggtagacg agctgttcga cgtaaagaac 120
 gccttctaca tcggcagcta ccagcagtcg ataaacgagg cgcacgggtg aagctrtaaa 180
 gccagagag agacgtggag agggacgtct tcctgtatag agcgtacctg gcgcagagga 240
 agttcgggtg ggctcctggat gagatcaagc cctcctcggc ccctgagctc caggccgtgc 300
 gcatgtttgc tgactacctc gccacagaga gtcggaggga cagcatcgtg gccgagctgg 360
 accgagagat gagcaggagc tggacgtgac caacaccacc ttctgtctca tggccgcctc 420
 catctatctc cagca 435

<210> 12625
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 12625
 ccggctgacg tgtctttcag gaagaggagc tggtgagaag acagcgaaat ggcgccctccg 60
 gcccccgcc cgccctccgg cggtccggg gaggtagacg agctrttcga cgtaaagaac 120
 gccttctaca tcggcagcta ccagcagtcg ataaacgagg cgcacgggtg aaggtgcggc 180
 cgcgcagggg cgcggggacg ctggggggcg aggcg 215

<210> 12626
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 12626
 acactaccac acaaacggcc tccttcccc acccccgggg gcccatcccg gtggcgggct 60
 ccggagytcg ggactgctaa ttccagcgaa acgattaaaa gacgcc 106

<210> 12627
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 12627
 agtggcgctt aaagtctgcg aggaggaagt cctgcgagga cttagtccct gagtccaggg 60
 atctaagagc cccacagtct tcgttacaac ctcatggtgc tgtcccagga tggatctgtg 120
 cagtcagggt ttctckctga gggacatctg gatggtcagc ccttcctgcg ctatgacagg 180
 cagaaacgca gggcaaagcc ccaggagacg tggcagaaga tgcctggga gctaagacct 240
 gggacacaga gaccgaggac ttgacagaga atgggcaaga cctcaggagg accctgactc 300
 atatcaakgg acc 313

<210> 12628
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 12628
 atctcagtgt cctcggggag tctcaagcag cccggaggag actgacggtc cctgggaccc 60
 tgaagggtcac ccgggcggcc ccctcactga ccctccaaac gcccctgtcc tcgcccgtgcc 120
 tcttgccatt cccggcctga gtctcagcat ggcggatggg agcagcgatg cggctaggga 180
 acctcgccct gcaccagccc caatcagacg ccgctcctcc aactaccgcg cttatgccac 240
 ggagccgcac 250

<210> 12629
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 12629
 agaaggcgcc gggtttccca agatggcggc ggacgtgtcc gttactcacg gccccgctg 60
 agccctaagt ctggggccga agtcgaagcc ggcgatgccg cggagsccgg gcgccggaag 120
 aagagctgcc gcctctagat ccagaagaga tccggaaacg cctggaacac accgagcgcc 180
 agttccgtaa ccgcgcgcaa gatactgata cggggcctcc cgggggacgt gaccaaccag 240
 gaagtaca 248

<210> 12630
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 12630
 accaccgctg ctcctcarga ggcgcctcac cagcctccac accccttgcg cnygcagaaa 60
 cgcgcctggc cctgagctgt caccaccgac actctcyagg ctccggacac gatgcaggcc 120
 atcaagtgtg tgggtgtggg agatggggcc gtgggcaaga cctgccttct catcagctac 180
 accaccaacg cctttcccgg agagtacatc cccaccgtcc tgggattcca gtggacagga 240
 tgacatcagc ctccttagct gtgtgcgcca ggccccacca gggtctgcct ggccctctcg 300
 cagccccatc cctgctcctg ccgctgtgtg tgtgggtgcc tcatgatgtc cagtggctca 360
 agcctctgcc ttaagctcag gcaccccttc kgntgrgtat yctgttcctt cctgctccac 420
 ctctccctgc cccgtgacac ctccaggctg ccttcatct 459

<210> 12631
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 12631
 aaagtgttgg gattacaggc gtaagcaccg cgcgggtct actccagatc tttaaaatcg 60
 cttttcagcg cccgacgact cctggagtga ccagactctg aaacgcgctc tgggtcttgg 120
 cgagaatctg aataaccacc gg 142

<210> 12632
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 12632
 cctaaagtgg caccgtagtg tttcatttta tacacttcac taagtttttc taatagtttt 60
 tagctgattc ttttagattt tctaagtga cagttgtgca atgtgccc atataaaca 120
 tcagttatat attgagtcac gagacctgtt aatgtctaac tgtctgcttt aatgaagggg 180
 agtgtccctg agaacattca ggcactgac agtgcccaga ccacagggac tcccacctct 240
 ggatgcgtcc agccggatcc acagaacagg gtcgtggtga ggatgaaacg cggatgatgaa 300
 cataaagtgc 310

<210> 12633
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 12633
 accgtggaga cagaacgtgc tgtgtggatg cggcgaaacg ctgaggcgcg gccttcgctg 60
 tgtggtgggg actcacaaga ccgacgtcaa gatgatgctt tcaagggcca aacctgctgt 120
 arggcagagg gcgtacagca cactg 145

<210> 12634
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 12634
 agatgacctg tgcggggcgc asctcctgcc ctctctccct tcgtgcgccg gctggagcga 60
 agagttcttt tgacagccgt gagcttcccc gccaggaact tactggggct gcatcaccct 120
 agaaacgtgg ctttgggctg tggaaacgct gcctctgtgg aagtctctcc tcgcgggggt 180
 ggacgggtcg ctgcgcgcc agcgttcttc tgcggttctc acagccc 227

<210> 12635
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 12635
 atatagccct catgtcagcg ctgccggctt gcagcgggct gtgagagggg ccggcgccgc 60
 tttgtcctag gaaacgggct gcgcgtttct ctttttccact cttttccatt tccaggaagg 120
 acttgtaagg acttctgaaa cgctgttttc atactcgatc ggggatacag tacatacacc 180
 gtctaccagt aagcccttga agggtttcgt gtgagctcga tttttttgtg cctgattttt 240
 ttttttttwa actttkgcat actttgtttk gawagtctga ggctctraaa ctcatcagga 300
 tg 302

<210> 12636
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 12636
 cttcccagtt aaaagtgttg gcccgcggcg cgcgccctct tcctgtctgt accagggcgg 60
 cgcgtggtct acgccgagt acagagacgc tcaggctgtg ttctcaggat gaccgagtg 120
 gagacagcag caccagcggg ggcagagacc ccagacatca agctcttttg gaagtggagc 180
 accgatgatg tgcagatcaa tgacatttcc ctgcagggtga ggggaacttg gtgattggcc 240
 ttcttggtcg ggggc 255

<210> 12637
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 12637
 aagaaacaag ccatacttgt acacttgtac actcagttta gggataactt ggggtgtttg 60
 ggctttatcc ttttaggatt attaaattat atgtctgtaa ggatgggtcaa tttacatttg 120
 gcaagatagt ccaaattgga ggaaataatg gcaaattccac tgatgtcatt ggtgctgtca 180
 cccatgagaa ggaaagtcc tactctctct gaggattgac tcagtcagca ttgacaccct 240
 tatcttcact ttggagttta ctaattggaa gacacttgca ccagctgttg aaaggatgct 300
 ctctgctcgt gcctcaaacg cttggattct acagcaacat attgccactg ttccatccct 360
 gacccatctt tgtcgtttgg aaattcggtc cagtctaaaa tagaacgtct acggtctgac 420
 agttatatta gtcagctgcc acttcccaga agcctacata attatttget ctatgaagac 480
 gttctgagga tgtatgaagt tccagaactg gcagctattc aagatggata aatcagtga 540
 actacttaac acagctaatt ttttctctg aaaaatcatc gagacaaaag agcc 594

<210> 12638
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 12638
 tatgttttgg ccgcttcaag atggcgggtgc aggagtcggc ggctcagttg tccatgaccc 60
 tgaagggtcca ggagtacccg accctcaagg tgccctacga gacgtgaac aaacgctttc 120
 gcgcgctca gaagaacaty gaccgggagt ctcttgga tctgctgttc tctggagtca 180
 ccacccacc cggtcaacc gcggcatccc catagacctg ctggaccggc tgcttatcgt 240
 ctccaccacc 250

<210> 12639
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 12639
 ctttctcgcg tccgcagtgt ccctgagggt ccgcgtctac acgcggctgt gaggaaggaa 60
 ggcgcgtgcc gcgtgggacg ggctccacct gcctgcggac agatggaggg tcactttgtt 120
 ccgagaagac ccagacacc gagggaggat gtgaaacgga acgaccggt tcgagtaata 180
 acaggatgga gatg 194

<210> 12640
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 12640
 atattgtgcg gcggcgccgk cgtccgcggc agnkgatacc agagtcttgc tccggccgcg 60
 gccagcggag ccctgggctg gggcaggagc cgcaatgtct caggctgtgc agacaaacgg 120
 aactcaacca ttaagcaaaa catgggaact cagtttatat gagttacaac gaacacctca 180
 ggaggcaata acatntggct tagaaattgt ggtttcacct cgaagtctac acagtgaatt 240
 aatgk 246

<210> 12641
 <211> 410

<212> DNA

<213> Homo sapiens

<400> 12641

agctgcagtc	tgggagtcctt	tggagtaaga	atggccttgg	aagggatgag	caaacggaag	60
agaaagagaa	gtgtccagga	gggagagaat	cctgacgacg	gcgttcgcgg	gagtcgcgccg	120
gaagactaca	ggcttgga	ggtcgccagt	agcttatctt	gcggcgaaca	ccattccaga	180
ggtggcaccg	gtcggctggc	gtccctcttc	agttctctgg	agccccagat	tcaaccctg	240
tacgtgcctg	tgccataaagg	aaagcgtctt	agcagtgct	gatttagaag	aagaaattca	300
ccagaaacaa	gggcagaaaa	ggaaaaattc	tcaacctgg	gttaaagtag	cagatagaar	360
aatacttgat	gacacagaag	acacagttgt	cagtcacaaga	aagaaaattc		410

<210> 12642

<211> 292

<212> DNA

<213> Homo sapiens

<400> 12642

gttccctcgt	gctggcgaac	ggtgggtgcgt	ggcgtggctg	agtttctgtc	gtccatttct	60
agagagaatc	ctgacgacgg	cgttcgcggg	agtcgcgccg	aagactacag	gcttggacag	120
gtcgccagta	gcttatcttc	cggcgaacmm	cattccagag	gtggcaccgg	tcggctggcg	180
tccctcttca	gttctctgga	gccccagatt	caaccctgt	acgtgcctgt	gcctaaagga	240
aagcgtctta	gcgagtgctg	atttagaaga	agaaattcac	cagaaacaag	gg	292

<210> 12643

<211> 132

<212> DNA

<213> Homo sapiens

<400> 12643

acatcccagt	ctctgatcag	ggaaagcagg	gcacagcctt	gggaacaatg	gataagcatg	60
gtgtgaagac	ccccttgg	aagaaggaaa	cggaagagct	ccgggccgag	gacgcgggas	120
raagraggaa	gg					132

<210> 12644

<211> 256

<212> DNA

<213> Homo sapiens

<400> 12644

ggaaggtggt	tgctgtccgt	tcccaagctg	gtttgaaact	aggggtcggg	ctcggccgtc	60
gtcgttggtt	gtcgcgcgat	ccccgcttcc	gggttaggcc	gttctgccc	gccccctcct	120
ctcctccctt	cggaccata	gatctcaggc	tcggctcccc	gcccgcgcga	gccccactgtt	180
gacccggccc	gtactgcggc	cccgtggcca	ccatgtccct	gcacggcaaa	cggaaggaga	240
tctacaagta	tgaaac					256

<210> 12645

<211> 156

<212> DNA

<213> Homo sapiens

<400> 12645

agttaactgt	tcctacaaat	gaaagacaca	agccaataaa	gccagtgaga	aaggagctta	60
ccaaaggsag	trtacgaaga	aggtbcctgg	gagactgtca	gaaatgagtd	tttctactgaa	120

cttcaccckg ccggcgaaca cacactgaaa gtccctg

156

<210> 12646

<211> 330

<212> DNA

<213> Homo sapiens

<400> 12646

agcagcccat	ctttcccgag	ggatggactg	agggcttggc	tactcccctg	accataaatg	60
gcttggccag	ggttctcttg	gagccacctc	tcagcctgcc	tctgcagctt	tgtcagtkaa	120
ctgttcctac	aaatgaaaga	cacaagccaa	taaagccagt	gagaaaggag	cttaccaaag	180
gcagtgtacg	aagaaggttc	ctgggagact	gtcagaaatg	agtttttcac	tgaacttcac	240
cctgccggcg	aacacagtaa	gtacagcagc	ccccattcac	caggcaacgc	agagaagacc	300
agtgcagaat	ttacagtagg	tctccagaac				330

<210> 12647

<211> 65

<212> DNA

<213> Homo sapiens

<400> 12647

cggtcccggc	gcccggcgag	ggccgcggct	ggtgtccgcc	ccgcccgaag	gcatttgcaa	60
gtgag						65

<210> 12648

<211> 188

<212> DNA

<213> Homo sapiens

<400> 12648

atctattcac	tgttgaaggt	cacctgggct	gtttgcagtk	agttactatg	aacagtctta	60
tacaagtctt	tttgtggtct	tactctttta	tctttcatgg	ttatatactt	agacttggtt	120
tgagtaggtc	atagggcaat	tgtatgtttc	agttttgtga	gaaactatgt	tttaaaaaat	180
gcttctg						188

<210> 12649

<211> 315

<212> DNA

<213> Homo sapiens

<400> 12649

acacagacca	gcagtcccg	cccagggaag	ctcggaagat	gcctaggagg	gcctcaaggc	60
tcacccacaa	catggacctg	cgcacaatga	cacagtcgct	ggtgactctg	gcggaggaca	120
acatagcctt	cttctcgagc	cagggtcctg	gggaaacggc	ccagcggctg	tcaggcgttt	180
ttgccggtgt	acgggagcag	gcgctggggc	tggagccggc	cctggggccg	ctgctgggtg	240
tggcgacctc	tttgacctg	acccagagac	accggccaac	gggtaccgca	gcctagtgc	300
cacagcccg	tgctg					315

<210> 12650

<211> 210

<212> DNA

<213> Homo sapiens

<400> 12650

gtcacgtgat ccgacaaaacg gcctctgcat agtgcagaac attctgctgc tcttaaagac 60
 cctcatccct cccgtgggag ccccttttgg acactctatg accctggacc ctcgggggac 120
 ctgaacttga tgcgatggga ggctgtgcag gctcgcggcg gcgcttttcg gattccgagg 180
 gtgagtattc ccgcccacct catggaacga 210

<210> 12651
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 12651
 gtcacgtgat ccgacaaaacg gcctctgcat agtgcagaac attctgctgc tcttaaagac 60
 cctcatccct cccgtgggag ccccttttgg acactctatg accctggacc ctcgggggac 120
 ctgaacttga tgcgatggga ggctgtgcag gctcgcggcg gcgcttttcg gattccgagg 180
 gggaggagac cgtcccggag ccccggtctc ctctgttggga ccatcagggc gcgcatttga 240
 agaacgcggt gggctttctg ctgctggggc tttgcancaa cttctcttaw gtggkgawrc 300
 bctagwgycc cs 312

<210> 12652
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 12652
 gcaggtctcc aaaacgaatc ccggcttggga ggggctcagc ggccctgggc ctgtgcgccg 60
 ttgcggcccg gagggtcatt ttcattgccta aggacccctt gcacgcaacc tcgggtagcc 120
 agccggaaac ggcgctcccg gctccaaagg acatctcttt ttacatttca gcaaaacagc 180
 cgcacacctt ctccccagat ggccctctgtg cagcctgaaa atgcccgcct cctccaagtc 240
 cctgggcaat tgctgggacg catctcagag actgcgcggg gcggagaagg ggtatgtgtt 300
 tgggc 305

<210> 12653
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 12653
 ggcttgagcg ggaccggagc tgaggcagga agagccggcg ccatgggtgga gaaggaggag 60
 gctggcggcg gcattagcga ggaggaggcg gcacagtatg accggcagat ccgcctgtgg 120
 ggactggagg cccagaaaacg gctgcggggc tctcgggtgc ttcttgtcgg cttgaaagga 180
 cttggggctg aaattgcca gaatctcatc ttggcaggag tgaaagactg accatgctgg 240
 atcacgaaca ggtaactcca gaagatcccg gagctcagtt cttgattcgt actgggtctg 300
 ttggccgaaa tagggctgaa gcctcttttg agcgagctca gaatctcaac cccatgggtg 360
 atgtgaaggt ggacactgag gatatagaga agaaaccaga gtcatttttc actcaattcg 420
 atgctgtgtg tctgacttgc tgctccaggg atgtcatag 459

<210> 12654
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 12654
 aaaacggctg ggtaggaagc acgctagcag gggcctctgg cmttgctgag ggteccctgtt 60
 tccccctttc ctkccttttc acccaacaaa accctgcttt actcaccctt caaaccatct 120

atgarcctaa	attgtcgtgg	tctgtggaatg	gacaaggacc	cagtcttttag	ctgaactaag	180
gganagtcct	gcttttttggc	gcgcaacagg	ggagctcaag	aaacaggcct	cactcayggc	240
atatggaact	aaccacgccc	ctaactaaga	aggcacacct	tagttgcagt	tagcacacaa	300
ttaaagcaac	tctccakgtt	ttaccttaaa	gttcaaaatt	gctaggaggt	gaaactacta	360
gaaatatatt	tacatgcaag	agtcaaagaa	actttgaaac	tatttatggc	ctttaataat	420
taagtaaggt	atactcctgt	gatcaagact	tggagcat			458

<210> 12655

<211> 105

<212> DNA

<213> Homo sapiens

<400> 12655

actgcgggggt	gtgcggcggc	ccaagcggtt	tcaaacggct	tagagcaggc	cgcttggttc	60
tgaccagct	gaggaaatac	tcttaattct	aaggaaaacc	tggaa		105

<210> 12656

<211> 283

<212> DNA

<213> Homo sapiens

<400> 12656

acacagatct	cttaagaact	ttctgtctcc	aaaccgtggc	tgctcgataa	atcagacaga	60
acagttaatc	ctcaatttaa	gcctgatcta	acccctagaa	acagtatagg	atatattctg	120
ttaaagatgg	aaaaaatgga	aaatctctgc	catttatgtt	gtgtgacact	atggggctag	180
atggggcaga	aggagcagga	ctgtgcatgg	atgacattcc	ccacatctta	aaaggttgta	240
tgccagacag	atatcagttt	aattcccgtg	aaccaattac	acc		283

<210> 12657

<211> 347

<212> DNA

<213> Homo sapiens

<400> 12657

attaacggac	catgggctgc	tgggaaacgg	cttaggagca	gcacccggct	ggcgctggcc	60
ggccggcgcc	ggggactttc	ttccgcctgg	ccagacagat	ccctgttttt	tgtttttcaa	120
aattcaraaa	gcattctccga	atatttgccc	agaggagtgt	gaaacatact	tccctggagt	180
tgtaagacgt	tcatcgyygt	gttatccttg	agtaaagaag	cgggcttttg	ccatgttgtc	240
caggctggtc	tctactcctg	ggctcaagca	gtcctcctgc	ctcagtctcc	caaagtgctg	300
gaattacagg	gaatgaactc	tggaaagcca	gccagggaca	atgcacc		347

<210> 12658

<211> 276

<212> DNA

<213> Homo sapiens

<400> 12658

attaacggac	catgggctgc	tgggaaacgg	cttaggagca	gcacccggct	ggcgctggcc	60
ggccggcgcc	ggggactttc	ttccgcctgg	ccagacagat	ccctgttttt	tgtttttcaa	120
aattcagaaa	gcattctccga	atatttgccc	agaggagtgt	gaaacatact	tccctgggtct	180
ttcttttact	ttgttttatt	tctgtgtgga	caaacaatgg	ggaaaatgcc	gcgcgtctag	240
ccaggcagat	aagaaaacaa	ctataccctg	caggcc			276

<210> 12659

<211> 191
 <212> DNA
 <213> Homo sapiens

<400> 12659
 gccttcctcg ggggtgtatgt aggtaggcag gcacacacca gtcagcttgc attctgtggg 60
 tgatactctc tgaggtggac tgggtcaccg gggagcttcc ggggtccgaa acggggacca 120
 ctgatgaacg agtgggtgcag gagctgtagg aagtaacttt cagtattggt ttttaaaaaa 180
 tgcgctcagg c 191

<210> 12660
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 12660
 tttttttgtg ccgcagagcg gccgggatcg tctgcctgcg aggtggcggt gcctaccaca 60
 gcgggtcggg agcttctggg atccgagccg agaaacggga cgctcgagtc catttgcagt 120
 cttcacgtag gaaacggtgc taggtaaacg gggcgagtgg gtgttttgta aatttaaaga 180
 ctcagctttc cctgacgggg aagttttccg agtcacgtag t 221

<210> 12661
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 12661
 acccatgctc actcacctgg tagagtgtag gtgcctcatg ctgacgggtc tgccaggcgg 60
 aggcctcaga gcacccctcag acgtgtgttt ccacttgcac aggatcgtct caagccagac 120
 atgtgaacca ctacgccact gaggtctctg gagaactcag ggaaagagcc cctgggcaag 180
 gcacaaacgg gtttcagctg ctacgccacg cagtncaaat gggacctctt accaccgcgc 240
 accccacctt accaagggga tgttccactg ggaatgagaa ataccatctg ccgtatgcag 300
 caagggatct gcagactttt tttctgccat tctggtgaga aaaagcgtg 349

<210> 12662
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 12662
 ttcgttttga ggaaggtagg gtttgttcta acgctttgca caaaggcggg aaacgggtcat 60
 caaagctgtt gcgaaggga gagccaatgc attaattcga tccaagagga ctgcctcgt 120
 tggatttgc gcaacctaat ctctcgctca ggaagaaaa 159

<210> 12663
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 12663
 ataggcctga ggcttgtgca ggcagtgggc gtggggtaag gcttcctgat gccccctgtc 60
 cctgccaga acctgatggc cctcattagt ccttggtctt tatcttggaa gcacaggcgc 120
 tgacagccgt cccagccctt ctgtctgcgg gcctgaacca aacggtgcca tggggaactg 180
 tctgcacagg gcggantctc cccctcaact gagaactcaa gtcagctgga cttcgaagat 240

gtatggaatt	cttcctatgg	tgtgaatgat	tccttcccag	atggagacta	tggtgccaac	300
ctggaagcag	ctgccccctg	ccactcctgt	aacctgctgg	atgactctgc	actgcccttc	360
ttcatcctca	ccagtgtcct	gggtatccta	gctagcagca	ctgtcctctt	catgcttttc	420
aacctctctt	ccgctggc					438

<210> 12664
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 12664	
atcaacccta	gggagtcatg gatactcctg actgtgtagc cagttggctt gaagtgcgaag 60
tggtttgggg	acaccaagt gtggttggca cctgaaatag gggcaatctt ttttgggaaa 120
cgtaccctta	aacttgcagg atctgttcta actccagggtg attcctgccca gaggttgaact 180
gcaattcacc	agttgggtgtt caatgaaccc cgaagccctt catactccac cataagagtc 240
ataccttttt	ttttttttt 259

<210> 12665
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 12665	
aggcaggccg	ctccaggaac aaggccgtgc ggacaggact gacctaggcg cttttccccc 60
tcgctcccag	aggagaaacg taccggggag gggacagacc gtgagcaagt ggtccaagtc 120
tgcgcagggt	gaccccgag cccaccggag aggccgaggc ttgtgggcta ctagaactag 180
gcctggtagg	tgaaggaggc ggggtgaaggg ccggatccag gactgaatcc gggagaggcg 240
gggcgaggag	gggactccgg tgtagctgct tgggcagctc ccgcggcccc tctggcgggg 300
gtgaccgtta	ttggactcgc agaggggaaga gttgggtagc gtcccctact cacctagaag 360
cgctgccgcc	tgaggctcca gctgcccccc tcccaattca gccacgtcag ctcggaagc 420
cgtacg	

<210> 12666
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 12666	
tgaggactac	caagatttat tagagtctta gactgttaga actgcaaata aacgtagaaa 60
tttactggtt	gtagagtcgt gttgagctcc tctactttct accaggtgta aacacaaatc 120
tctttttttg	ctgtgtatct gttcttttaat agtagcg 157

<210> 12667
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 12667	
aaaaggaaga	cgggggtttc ccagggtgact ttgcgaaggc atggcgggga cactgtgaat 60
gtcagcccag	aagggtgatca gagcctgtta attaaaatgg aaagaagaca gaaggggaagg 120
tagacatcag	gttctccctg gagacttttc gttttcattt acgctgcgga aactgacgtt 180
tttgccctaac	accccatgta atgtaaactg ataggcttga gtacgtgtcc ggccgcatgt 240
gtagtgaacc	ctaaagcttt cctaattgta gttagcatcg tccctaagcg gaacgatttt 300
ccgtgaacat	gatttgtact tttctacgag ccgtacagta tacggagaag ctgcacaggt 360

cctcggcaaa gcgattgctt ttgccataca tcgtgcttaa caaagcgtgc ttgaagactg 420
 agccagtttg agatgtgggc ttcaawatca aagaaaacgc tgcgacctag atgtatcttg 480
 gagtcacca 489

<210> 12668
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 12668
 aatcagactg ttttttggtc ccagggaaaag gaggaagaag gagattgtga tggagaaaagg 60
 gggctctgtga aacgtcagggc acagcrcaaa ggctttgcca cgtaattaca ggctcctatt 120
 aagtcgagat ctgccctccc aggggtctcc aattttcttg tattccctac aaagcctcct 180
 ctgcatgcca gtttgtgcct tttgaagtgc cagagagctt cttgatccaa ctgagaagga 240
 aaaaggagcc cagcaagaag agggggagag agagaaggga aaggggggaa ccaccagcac 300
 cctcgcgcgg actcttgaag cctttttttt taattcttaa tttttttttt tactctttac 360
 aaaaagtaaa gtgagaatcc tgctctctaa tacac 395

<210> 12669
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 12669
 gtaagatgag agaggagggga aacgtgtcac cagcccggct gtgggagctc cgcggccgaa 60
 gcgtttgttg actcgcgctg gagaggaacc gaggctggac gggaccccat ctgag 115

<210> 12670
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 12670
 aaaactttca cttttctttt ctcggaagcc cggccccctta ctgcgtttgt caaagcacag 60
 acttctgtt ttgctgcta gcctctccct gtaactctcc caatcttgag gactgatccc 120
 tgtcccagcc cctggaaagg ggcaggaacg acaaaactcaa agtccaggaa tctctggaag 180
 cctgtagaaa tttgatccct gtatccagag tgggtgcacaa cattctcacc caactggaga 240
 ggacttttaa cctgtctctt ctggtgacat tgttcagtca aattaacctg cgtgaatctc 300
 ccaatctggt gacgatttac agaagcttca aacgtgttgg tgcttcttat gaacggcaga 360
 gcagagacac accaatccta ctt 383

<210> 12671
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 12671
 aaacgttatt agcatatctt tgtgctttat tatcctgggtg acagttaccg ttctatgtag 60
 gctgtgactt gcgctgcttt tttagagcac ttggcaaadc agaaatgctt ctagctgtat 120
 ttgtatgcac ttatttttaa aaaaa 145

<210> 12672
 <211> 184
 <212> DNA

<213> Homo sapiens

<400> 12672

gtttccacag	cgccaacagc	aacgcggacc	acgaaggatt	tttactggga	gaggtaagac	60
aagaggaaac	gttttagcatc	agtgactcac	aaatcagcaa	cacagaat	ctgcaagtaa	120
ttgttctagg	agtagcaggg	agaaggcagc	aacagaagtg	tccttagtta	atgaggtgat	180
gcag						184

<210> 12673

<211> 371

<212> DNA

<213> Homo sapiens

<400> 12673

gaagactggc	acgacccta	aagttaggtc	ggaagayctg	tgggcagctt	gagcgccgag	60
gagtgccctg	aacgctcaac	tcgccctgga	aacgtttttc	cgtacagcaa	catggcggcg	120
cccatrgact	cttagaaaag	gagaaagctt	tttytctgtg	gactgraagg	ggcrtttttc	180
atgatcacta	tttagatggg	tgctgttttc	ctgaggagag	tctgggaagg	cggcgtccgc	240
ttttctgaca	aggggaagagg	ctactttgtc	cttttaagga	ttcaatgact	tcctgacttg	300
gaggatgtgg	acctagtggc	tagaccaag	gaccaaagca	agaagtcgtg	gggggcccag	360
gaagacagga	g					371

<210> 12674

<211> 142

<212> DNA

<213> Homo sapiens

<400> 12674

tttaataata	aactaaactt	ttttttgtct	cccgttattg	aaaagtacca	aagcttcttt	60
ctgttgtgtt	tgatttttact	ataggggttt	tgctttttct	agagatactt	ttcatttaac	120
agcttttggt	aagtgtcact	gc				142

<210> 12675

<211> 193

<212> DNA

<213> Homo sapiens

<400> 12675

cagagttaac	agtagtggga	tgaaagtc	aatgaatata	aactaatatt	aagataaaga	60
ataaacaaca	ggcaaatgca	acaggagaat	ccagtctgga	aaaaaaciaa	ttgagacaca	120
tgtctgatac	acacaggtgt	ttgcgggtta	ttttgaaccg	gtctcatata	taagaacaat	180
tgcatgcatg	gga					193

<210> 12676

<211> 149

<212> DNA

<213> Homo sapiens

<400> 12676

atctggaacc	acgtggagaa	gactgtgagg	tgaaaacatg	ctactctctg	tcacatactg	60
ccaggtagat	gcttgctgct	ggcagaaggc	atagaatatt	ttgtaaacta	ccctctacgg	120
cagacacatg	caggccaacc	cagaaacca				149

<210> 12677

<211> 319
 <212> DNA
 <213> Homo sapiens

<400> 12677
 tctagcactt gtgagtagtg agttatTTTT tacagttggg atcttttctct aagatttgwg 60
 gaagtatatt ttgcattgck tttgagggga tnggtgggtt ataaaatgaa acatttggaa 120
 attaagtcac cttgctaaga gagtgttttt actgtagggtg cttccaatag tcctggtcag 180
 cctaattctg tgaagagaaa gaaactacct gtagatagtg tctttaacaa atttgaggat 240
 gaagacagtg atgacgtacc ccgaaaaagg aaactgggtt ccttggatta tggagaagat 300
 gataaaaatg caaccaaag 319

<210> 12678
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 12678
 tcccttatgt agaaatactg gttctgctaa tgctctggca ctgatatggg gaaaggaaac 60
 tggattagga ttaaagcttc acctctagac tttcctgaac aaactagagt gcagatcagt 120
 caggaaccaa cgatacgaga gcagtgtagt agctg 155

<210> 12679
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 12679
 gccgggcgct gtgcgaacta gaaataactg ggggcatgga gaatgcgggtg gctgtaaagg 60
 gccgctgagg cgggtggaggc ctggcagaga gcgtccccgc ggtcgcgggt tctggcttct 120
 ctgtggagct tggttcttcc gtrgtgggtgc agcaccacag gaacttcagg aaccagtcct 180
 tccttggaga gctccccggg acagccacgg gggccaagtg aaactagcgc gttttcttgg 240
 atcctacact ttatagttag tcataaatac tttaaatata aagccaacaa catttgctgc 300
 aaataaacgt aaaaatactg ttaaagtgtg aagtgttttc ctccgtacca tctgacgttt 360
 ctggcggttc gttgaacgcg agagaacgct gagccgt 397

<210> 12680
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 12680
 atcaagccct gcaaccatgt gctgagtctc tccttcccca tccggcgcgga cgacggctcc 60
 tgggaggtca tcgaaggcta ccgggcccag cacagccagc accgcacgcc ctgcaaggga 120
 gaggcagaaa ttaatacaga ttcaagtgtt cactatcaag tcggaattgt taatatgtga 180
 aatactactg ttaaaggcag gaaaggcttt attaaggaca agaagacaaa ctaggagaag 240
 gagctactca agaccttccg attatcttta caaaaaggca actacaccta gaagattctg 300
 cagccacaca cattctgcct tcaacttgagg tcaactgcct tcaccaaggt atccgttaca 360
 gcactgatgt gagtgtagat gaagtaaaag ctttgggnnc tctgatgaca tacaagtgtg 420
 cagtggttga tgtgcgtttg gggntgctaa agctg 455

<210> 12681
 <211> 387
 <212> DNA

<213> Homo sapiens

<400> 12681

atcaaaagaa	ctcttatata	caggagccca	ggcaccatac	tgtcttttcg	aggtaggagt	60
cgactcctgt	gaggtatggt	gctgggtgca	gatgcagtgt	ggctctggat	agcaccttat	120
ggacagttgt	gtccccaagg	aaggatgaga	atagctactg	aagtcctaaa	gagcaagcct	180
aactcaagcc	attggcacac	aggtgagaca	cctctatfff	gtacttctca	cttttaaggg	240
attagaaaat	agccaaagca	atgatgatta	tctatgttag	tgcttctctc	ccctcttttc	300
aaatgagaat	tttgctctca	tattgatact	aagttaata	ctgaagaaaa	tgtgaaaaca	360
gatactatga	tggttgcata	gttcagc				387

<210> 12682

<211> 628

<212> DNA

<213> Homo sapiens

<400> 12682

atcaaaagaa	ctcttatata	caggagccca	ggcaccatac	tgtcttttcg	aggtaggagt	60
cgactcctgt	gaggtatggt	gctgggtgca	gatgcagtgt	ggctctggat	agcaccttat	120
ggacagttgt	gtccccaagg	aaggatgaga	atagctactg	aagtcctaaa	gagcaagcct	180
aactcaagcc	attggcacac	aggcattaga	cagaaagctg	gaagttgaaa	tggtggagtc	240
caacttgctt	ggaccagctt	aatggttctg	ctcctggtaa	cgtttttatc	catggatgac	300
ttgcttgggt	aaggacatga	agacagttcc	tgcatcacct	tttaaaggta	tgagagtcg	360
gcttgactac	actgtgtgga	gcaagtttta	aagaagcaaa	ggactcagaa	ttcatgattg	420
aagaaatgca	ggcagacctg	ttatcctaaa	ctagggtttt	taatgaccac	aacaagcaag	480
catgcagctt	actgcttgaa	agggctcttg	ctcamccaag	ctagagtgca	gtggcctttg	540
aagcwtacta	cagcctcaaa	cttctgggct	caagtgatcc	tcagcctccc	agtggctctt	600
gtagactgcc	tgatggagtm	tcatggca				628

<210> 12683

<211> 290

<212> DNA

<213> Homo sapiens

<400> 12683

araccgcac	tgcccactgc	ctarcggggc	acttctctac	caatcckaan	ggctgctcgc	60
ccggcctcac	ggraaaggta	gtttccasgt	tttgcgtsrk	akgcgggtccc	gggatttcaa	120
gggtctacgc	gcttttctat	ggcgaatgca	acccgacgag	ggagtgggct	gtatcttcag	180
agttgtctcc	gtctttccaa	gaacagaaca	aaatgaacaa	ggtagaacag	aagtcccagg	240
agtcagtatc	atttaaagat	gtgactgtgg	gcttcaccca	ggaggagtgg		290

<210> 12684

<211> 223

<212> DNA

<213> Homo sapiens

<400> 12684

cttttttttt	gtttttctca	ggttttgcgt	gggaggcggt	cccgggattt	caagggtcta	60
cgcgcttttc	tatggcgaat	gcaaccogac	gagggagtgg	gctgtatctt	cagagttgtc	120
tccgtctttc	caagaacaga	acaaaatgaa	caaggtagaa	cagaagtccc	aggagtcagt	180
atcatttaaa	gatgtgactg	tgggcttcac	ccaggaggag	tgg		223

<210> 12685

<211> 214

<212> DNA

<213> Homo sapiens

<400> 12685

caactgaaaa aaacatatcc aaaataatga ggaaatgtgt ggctcactac gtagagtcca	60
gagggacagt cagtttttagg gttgcctgta tccagtaact cggggcctgt ttccccgtgg	120
gtctctgggc tgtcagcttt cctttctcca tgtgtttgat ttctcctcag gctggtagca	180
agttctggat cttataccca acacacagca acat	214

<210> 12686

<211> 257

<212> DNA

<213> Homo sapiens

<400> 12686

taaatatattt ctttgtccac atgggccggt gaccttagag ttaaggcggg tgcttttttg	60
aagaaatcac caaagtttct gggaaactat gttcaagggt gaaatggaga gtagatttaa	120
ttttatttgt cttgtaggga agaaatcttc ctttgaaccg cttttcttgc tttttccctt	180
tttcccaaac taggttacag gttcttatct gcaagggtca agttgcttag acattgtttt	240
ccagtattct gcagggc	257

<210> 12687

<211> 240

<212> DNA

<213> Homo sapiens

<400> 12687

agtctctgag cagccattga aggggaagga actgcgggtg tgtgtgtgta tgtgtatata	60
tatataaata atatgtgtat agttataaaa atatgtttga tctatcttag tgcttagtat	120
ttaatactgt ttaaatgagt tttgatttta tatgagctgc taagaaacta taaagaatta	180
attatcatgg caattctttt tcaggatggt tcaacaatgc tcattgaagc tgcaaagggt	240

<210> 12688

<211> 63

<212> DNA

<213> Homo sapiens

<400> 12688

ccttctttgt attgtctggt taaactataa tgtaacacct attttgtttt atgtatatat	60
atg	63

<210> 12689

<211> 209

<212> DNA

<213> Homo sapiens

<400> 12689

cccttaggga atacgagtaa cattgtgcct gtggattggt tctccattgc aagagttggc	60
aaactatagt ctatatgcca aatccagtct actacctgtt tttgtaaata aagttttatt	120
ggagcacaat catgctcact tgtttactct atgactgctt tcatcatcca atgacagaat	180
tttcatagtt gcaacagaca ctgtatggc	209

<210> 12690

<211> 390

<212> DNA
<213> Homo sapiens

<400> 12690
aggtcgggaa gtgaaggact cgcaggcata tttaacaacg caaagttgct aggagttggt 60
accagcggtt gggaggtaga ggtggcgctc atgcatatth gagacaacat ctggatgggt 120
ggggagaacg gtgatgccac actcaatcag aaactatgct actgctgaag aggtatattg 180
agccctgcct gggttaacctc cagtgaagggt attagagaat tgggagaggc tcaaatacagc 240
atcctgcacc tgggttatcaa accattgtga agtcttgatt cctggatggc cagaaaactt 300
gtcattgggtc aagagcaaca ttaagatctg cctgttactc atactgatgc ttctgcccc 360
gcaagttcat cagagggcga ggatgaatta 390

<210> 12691
<211> 299
<212> DNA
<213> Homo sapiens

<400> 12691
gttctcttgc tcccttgggc agagaagctg gcgttcggag ccagcctttc cagcctcact 60
cctcgtgggt tgtcctcgca gtgggtgcag gttgcaggaa cagccgggac agatgggtccc 120
tctgcggggc cnngectcca cccacatgcc tgtctggaaa gtggctttgg cttagctgta 180
ccagagcttc ttcttgagg aaactcaaag ccaattgttg ggaagtatct gcggggactg 240
tgtccagggg cagagggccc acccagggta cctcgtggag aagggagaga agggagacc 299

<210> 12692
<211> 479
<212> DNA
<213> Homo sapiens

<400> 12692
tgccgtatat ggatacatgg ctgttcgtga cattctttat gtgcaaattt gtgatttcaa 60
aatgtcctg ccagtttaag ggtamattgt agagccgaac tttgagttac tgtgcaagat 120
ttttttttca tgcgtgcatt tgtaatatgt tttgtgagaa tcttgggat taaagttht 180
gttacaaatt gttctttaac ttgaaagcct gtttttcctt gcaaactcaa atctgtgagc 240
ttggtaccaaa gtccaggat aacattccta ttggaagcca tacttatatt ttcttgtaaa 300
gtgcttttga attaataaaa tattagcata attgtgtata gtcagttgaa cccactgtta 360
ccattgttct tatcccatgg gaagcagttg gttacacgat tcttatttta tnagaaacag 420
ctgagaggca ctatggatta gtcttctgaa gtgaaggaaa tatagatgtc acctaagt 479

<210> 12693
<211> 254
<212> DNA
<213> Homo sapiens

<400> 12693
acagcgcgca ccaatgatga gcaaactgaa ccagcgtcag gaggcgccag ttaaactcaa 60
atgtttcagc tcaacaaggc ctgtgagggt gtcctatttc tccagtttta cgttctccgg 120
tatgtcttta tcagcagcat gaaaacaaga ctaatacacc cccacaccat ggtaccgaag 180
acgggacaca gctgctctac tgattaaatt caactgacgt gaggttgcag ctattctatt 240
catatattca ccat 254

<210> 12694
<211> 293
<212> DNA

<213> Homo sapiens

<400> 12694

ccttcaccag	cagcccgctc	gactggaaak	atctgcctct	tctccaagaa	actcaaccac	60
tagtgacaat	gaccagcctc	ctgactactc	cttctccaag	agaagaactg	acgagtgtgt	120
ccttaggaca	taggtccagc	cctacagatt	agctgggtga	agaaggcaag	tgtctcgaca	180
gggcttagtc	tccaccctca	ggcatggaac	cattcagggg	gaagcctggt	atgtgggcac	240
aggagactca	gactgatttt	gttattttta	tatcagcctg	agtctcctgt	gcc	293

<210> 12695

<211> 512

<212> DNA

<213> Homo sapiens

<400> 12695

gataggaagt	atgaagaggt	ggctcgtaag	ttggtgatca	ttgaaggaga	cttggaaacgc	60
acagaggaac	gagctgagct	ggcagagtcc	cgttgcgaga	gatggatgag	cagattagac	120
tgatggacca	gaacctgaag	tgtctgagtg	ctgctgaaga	aaagtactct	caaaaagaag	180
ataaatatga	ggaagaaatc	aagattctta	ctgataaact	caaggaggca	gagaccctgt	240
ctgagtttgc	tgagagatcg	gtagccaagc	tggaaaagac	aattgatgac	ctggaagata	300
aactgaaatg	caccaaagag	gagcacctct	gtacacaaag	gatgctggac	cagaccctgc	360
ttgacctgaa	tgagatgtag	aacgccccag	tcccacctg	ctgctgctcc	tccctctgan	420
nmagactccg	cctgaggcca	gcctgcggga	agctgacctt	taactgaggg	ctgatcttta	480
actggaaggc	tgctttctcc	tttctccacc	cc			512

<210> 12696

<211> 278

<212> DNA

<213> Homo sapiens

<400> 12696

tctagatcag	ttttctaagg	taaatgtgaa	gtacatcagt	gactccaaac	tcaattgagg	60
tctcccgatt	ttcttgact	gactatgtat	attttaaaga	attatttact	ttcatacttt	120
gccaaagacc	agacagaaag	aagctttcag	tgttcgtggc	agcagaaaag	aatactaata	180
agtgttagtc	atccacagta	aattaaaaat	ataataataa	aggaaaatta	aactgctgtg	240
tgtttgggtg	tttgctctat	caccataaat	tcacaacc			278

<210> 12697

<211> 397

<212> DNA

<213> Homo sapiens

<400> 12697

gcacactgct	cttccttaag	ggcgggagtc	tcggtttgtg	gtggcttcgc	tgaggcagtg	60
gtggccgcac	tataccgtta	gaaactcart	ttcccgagg	ttgtgaggcc	ctttgaggcg	120
aaatcgctct	ggcggtgaaa	ggagcaggcg	ttggcaatgg	aaggaccacc	gcgacctcag	180
gctgaccgta	ggaggatctt	tgagggccct	ccgagtcccc	tgggcttgcg	ctttctttct	240
ttgcagccac	cgtgcctacc	gcgaggatga	gctcggcctc	ggtcaccgct	ttcgagaagg	300
agcatctctg	gatgtatctg	caggcgctcg	gcttcgagcc	aggcccggca	accattgcct	360
gcggaaagat	cgtgtcgcac	acgcacctcg	gagtga			397

<210> 12698

<211> 180

<212> DNA

<213> Homo sapiens

<400> 12698

attggacact	ctgacattat	aaagatgctc	atgataat	ttttcctact	tgagattaga	60
gtctaatttg	aagagagtta	tgttatgcat	acaattaatt	gtaataaagg	ttgctaagaa	120
gatttagagg	agwraaataa	ggcaaaactca	ccgaggaaat	agagaactta	ctagaggcag	180

<210> 12699

<211> 397

<212> DNA

<213> Homo sapiens

<400> 12699

tttttccgac	ccaactgagc	cggaagtgga	ggcgcgggct	tcccatgatg	ccccgcgaga	60
cctttattct	aaccgcaagg	agtagcggag	gggaggtcgt	gatggcggcg	ccggagggaa	120
ggttctgtcc	tcagccgcag	tccctgattt	ggagtgggtat	gagaagtccg	aagaaactca	180
cgctcccag	atagaactac	ttgagacaag	ctctacgcag	gaacctctca	acgcttcgga	240
ggccttttgc	ccaagagact	gcatggtacc	agtgggtgtt	cctgggcctg	tgagccagga	300
aggetgctgt	cagtttactt	gtgaacttct	aaagcatatc	atgtatcaac	gccagcagct	360
ccctctgccc	tatgaacagc	ttaagcactt	ttaccga			397

<210> 12700

<211> 181

<212> DNA

<213> Homo sapiens

<400> 12700

aaaatgaatg	tggccaggca	gaataatgac	agtgactgtg	gtgcttttgt	gttgcagtac	60
tgcaagcatc	tgccctgtgc	tcagccattc	agcttcaccc	agcaggacat	gccccaaactt	120
cgtcggcaga	tctacaagga	gctgtgtcac	tgcaaactca	ctgtgtgagc	ctcgtacccc	180
a						181

<210> 12701

<211> 344

<212> DNA

<213> Homo sapiens

<400> 12701

agttcctccc	tcccgccgcc	gcctcttccct	cggtgaggcg	ctcttccagc	gggcaggcag	60
catggcggcc	gtggagacgc	gggtgtgcga	gacagacggc	tgacgacgtg	aggccaagct	120
ccagtgtccc	acttgcatca	agctgggcat	ccagggtctg	tacttctgct	cgcaggaatg	180
ttttaaagga	agttgggcta	ctcacaagtt	actacataag	aaagcaaaag	atgaaaaggc	240
gaacgagaag	tgtcttccctg	gactgtggaa	ggtgatatta	atactgacct	atgggcagggt	300
tatcgatata	ctggtaaact	cagaccacat	tatccactga	tgcc		344

<210> 12702

<211> 418

<212> DNA

<213> Homo sapiens

<400> 12702

agtataaca	ttagaaactc	attggagcac	gaaccctggt	gaactgccta	tccgaagatc	60
taggttgtgt	gcttcgtatg	agaatcta	gccagatgat	ctatcattgt	ctcactttgc	120
ccccagataa	gaccatctag	ttgcagaaaa	ataagctcag	agcttccact	gattctacat	180

tatggatatg	tgccgccgaa	gcaagcacia	agccctactt	ttacacatgc	ctagtgatgc	240
ktcatggaca	aggcttggct	ctgttgagtc	carctaacct	acctgagatt	ctgagatttc	300
tcttcaatgg	cttctgtga	gctagagttt	garaatatct	taaratctwg	wgctagagat	360
ggaagtagct	tggacgattt	tcatttrcat	gtaaatcggg	tcactcaagg	ggccaacc	418

<210> 12703

<211> 231

<212> DNA

<213> Homo sapiens

<400> 12703

gtacccgccg	gctgtagccg	taagacgcat	gcgctaggcc	gggccaaacgg	agcccgctt	60
tacctcccca	ctcggcgctc	agtctcttag	caacgactcc	ggcttcctag	gaactgctcc	120
tttctcaacc	attcctgccc	acaacacccc	agcttgctgc	cagcaaagcc	cctccacacc	180
cctcaaactc	cagacccttc	acatcaattt	actgttttct	tcgacctcac	c	231

<210> 12704

<211> 382

<212> DNA

<213> Homo sapiens

<400> 12704

agacaaccaa	actccatcaa	tcaagaggaa	cttaatccgg	agggttcttc	tgctcactgg	60
gtcagaagca	tccgatttcc	tgtcatcggt	tgcggttcag	ccatgttaat	actgaaagta	120
taagaatatc	ataatcccag	agtgatataa	agacctttcc	aaggaagatg	agatacccg	180
aggctgtgaa	ggagaagtct	gaaggatttg	aacgcgttca	aatgaaactt	tggttcagca	240
aaacaccaga	aacaaattca	aaagataaaa	tacactccgg	agaagcccat	tctctcaacg	300
catctgacag	ttcacaaaga	gcaactgcag	tccaacttaa	aaaataaaga	aaatggtagg	360
aaaatgggca	acatgcactg	ag				382

<210> 12705

<211> 220

<212> DNA

<213> Homo sapiens

<400> 12705

gaagttctga	ggcagccttt	gtctggctgg	aacacgcatt	ggcagcgagg	gctgtcggta	60
ggacctggga	caccgcggaa	gtcgggaaat	ggcctcagtg	gcttttagagg	atggctgtga	120
acttcacccg	agaagagtgg	gctttgctgg	gtccttgctca	gaagaatctc	tacaaagatg	180
tgatgcagga	aaccatcagg	aacctggatt	gtgtagtaat			220

<210> 12706

<211> 371

<212> DNA

<213> Homo sapiens

<400> 12706

gatttagagc	cgggcggaga	ccgctgagac	tcattcctca	ggaacaaggg	tcgggtgtca	60
aggagacctt	ttcacaccag	ctcccgtccc	ccgcctacgg	tgggtgggat	cgcgcgag	120
agacaaagga	gatcagtagg	gccggacata	gctgcgcagg	gaagtagggg	gtcagtttgt	180
ggtggtgggc	ttttgcgggg	gctgtggggg	gggttatatt	aaactcccag	agccgttaag	240
ttggttcgta	gtctgatgcg	cgcgcaacca	gggtgggtgg	ggagtgcgca	tgcgtgggtc	300
ccgggcgaag	ggaacgcgcg	ctcaccgtgc	gcgctcgcgg	ccgggtggta	gtggcgagg	360
agaaaggggt	c					371

<210> 12707
<211> 417
<212> DNA
<213> Homo sapiens

<400> 12707
gcgcacagta nstggccacc ggcactggtg ctgaagtgtc ggcgcggtgcg cagatctcga 60
tcccaaactc cctcctgccca gaatctggac ccgaatccac ccattgcccg ttttccgctg 120
ccgctggaga gaatctctga ggtccccagg agagcctgcc tgcacggaag agacgcctcc 180
tcggtatggc cgcccccgga gaggagcgat taagtgcaga cctccatggt gctcttgagc 240
ctgagcgggt tcagggagcc atgtttgtta ctggcgggcg ccgacctcac tgagcatgtg 300
cagccctggc cgggcggcct caaagttctg acatcacagg gcggttcctg aagtggacgt 360
agttatcaaa tgctgttttc catgactgtc tctgttcttc ccatacgca atggcaa 417

<210> 12708
<211> 275
<212> DNA
<213> Homo sapiens

<400> 12708
ctctgggtttt tgtccccgcc agcggtctcg actccatcgc gtccctcttc agtctagtgc 60
tttttttcca gatctcgatc ccaaactccc tcttgccaga atctggacct gaatccacct 120
attgctcggt ttccgctgcc gctggagaga atctctgagg tccccaggag agcctgcctg 180
cacggaagag acgcctcctc ggggtgactgc tctccatggt tctaggtggt tctgcatggg 240
gcctctcaca tgtgctanag tcaaacatta gccgg 275

<210> 12709
<211> 586
<212> DNA
<213> Homo sapiens

<400> 12709
aggtatnscg ttccggggccc gggagtctgg gcaatacagt tttgtgctca ctgggtgaag 60
aggtgactt agggcgggga aaggaggag ccaggctgga tctctttccg cagctctcct 120
cacgttcccc tctagtcccc gcgcggcgct gctgcccagg ggactggcct atcctcggcc 180
aatccgctgg gtccttattg cctgttgggc ccctagtgcg aatcagtcct gccagagacc 240
cttgacgggc atactgtttc ctccgggctc ctgcctcatg aggggagaga atggcgccat 300
tttgcggtac ggaagctaca cagcaacacg tataggagac tctccccgag atcttctagg 360
gagtgacctt tctatttttg tttgggaaga ggaaactccg aaatgggatc gcggaagact 420
taaagggccg ggctgatttt tttttcctac tgcaggctct tgaggctgtg gttgctacag 480
ggtcaccacg agcttggtct acttgtctca tcttccctt gcctgggtatc attttctcag 540
ttctccyaaa agccatgtcc cgcccttgc tcatcacctt caccctc 586

<210> 12710
<211> 322
<212> DNA
<213> Homo sapiens

<400> 12710
acgagaagcc accggaagcg gaagccagaa tggcgccatt ttgcgggtac gaagctacac 60
agcaacacgt ataggagact ctccccgaga tcttctaggg agtgacctat ctatttttgt 120
ttgggaagag gaaactccga aatgggatcg cggaagactt aaagggccag gctgattttt 180
ttttcctact ggtctctgag gctgtggttg ctacagggtc accacgagct tggttactt 240

gtctcactct tcccttgccct ggtatcattt tctcagttct cccaaaagcc atgtcccggc 300
ccttgctcat caccttcacc cc 322

<210> 12711
<211> 121
<212> DNA
<213> Homo sapiens

<400> 12711
catcattgtc tttgggtccc ttcaaagaga attttattgt tgttttgtat tttcaagtcc 60
ttaatagttc ttgaaactcc tagttgtttt cttgttgaaa kcagacacac atttagtgca 120
c 121

<210> 12712
<211> 406
<212> DNA
<213> Homo sapiens

<400> 12712
atcgteccctc cctccggaag tgcggacatt gtcagctgcg tttccgcggt cgcggttgag 60
gagctcaagc ttgggaaaat ggtgtgcatt ccttgatcgc tcattccagt tctgctctgg 120
atctacaaaa aattcctgga gccatatata taccctctgg tttccccctt cgtagtcgt 180
atatggccta agaaagcaat acaagaatcc aatgatacaa acaaaggcaa agtaaaacttt 240
aaggggtgcag acatgaatgg attaccaaca aaaggaccaa cagaaatctg tgataaaaag 300
aaagactaaa gaaattttcc taaaggaccc catcatttaa aaaatggacc tgataaatatg 360
aagcatcttc ctgtaattgt ctctgacctt tttatctgag accgga 406

<210> 12713
<211> 475
<212> DNA
<213> Homo sapiens

<400> 12713
aaaagtttcc gaggtcaga ggaacacaaat gacttggatc aaacagccta aatgggaaga 60
aggacatttt tgctgcatca aggaagccgt taaactcctg ctaagctaac tagctctttt 120
ttatgggtcc atgcacacga ccgaactcct ctttactga ccagagatta tttctgacaa 180
cccaggatat cccgaaagct tggaggcata tggctggaaa atgaaacgac ccaggacatc 240
gtttctggct gcatcattat tttgtgtcgc gtagtaccag atgggcagtc agtgagcggc 300
gcagggatgt gaacggacgg ttttataatg tgaaaatttt cccttggtta agctaaaaca 360
gatttaattt ccctctcttt tctttacta cttccccctc tttattcccc ctctgtctgc 420
aatatcagtg aactcaactt tgcagtggag tggccaaaaa gagagagaat gagga 475

<210> 12714
<211> 288
<212> DNA
<213> Homo sapiens

<400> 12714
gttacacagg aagagagcag gcagcatcag tateggctca gcatecttcc cccttctggt 60
cgattagaag ctgatcgaag caacagtgcc ataaagaaat gggctagata tttccagagg 120
ctgcaatctg gaggcgtttg gaggtaccga ccaagaccat cactatgacc gatggagact 180
atgattatct gatcaaaactc ctggccctcg gggattcagg ggtggggaag acaacatttc 240
tnnatagata cacagataat aaattcaatc ccaaattcat cactacag 288

<210> 12715
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 12715
 actcgcagtc ctgacgggca ggggctgcgg accgcccggc cttggaccca tccggagcca 60
 caggttggag gagataagta gctgtccccg tgctcatcgc cctgtggagc agatcctgtc 120
 tccttgctga cgggtggagcc cgggagttcc agggcttggg aaggggaagg aaacctctct 180
 gaaatctgac acctgmtctc ccggcaaggr aacttcgcag gctgaccgac caakrccatc 240
 actatgaccg atggagacta tgattatctg atcaaactcc tggccctcgg ggattcagrg 300
 gtggggaa 308

<210> 12716
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 12716
 aaccggaagc ctcgaggttt agtcccgcgc cctctcctc gctgcttagg cttccgcggc 60
 ctccaagctg tagctatgac ggcgcgcggg actccgagcc gcttcttggc cagcgttctc 120
 cacaacggac tgggtcgcta tgtgcagcag ctgcagcgtc tgagcttcag cgtcagcgcg 180
 acggcgccctc gtctcgcggc gccagggagt tcgtggagcg ggaggtgatc gacttcgccc 240
 gacggaatcc aggggtcgta atatatgtaa actcgcgtcc gtgctgcgtg cccagagtag 300
 tggccgaata ccttaacggg gctgtgcgcg aggagagcat ccactgcaag tcggtcgagg 360
 agatctcgac gctggtgcag aagctggccg accagtcggg cttggacgtg atccgcatcc 420
 gcaagccctw ncacaccgac aaccc 445

<210> 12717
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 12717
 ctcttctggt ggccgggaac gcccactcac ccggacaagt cgcgccctt ccaagcctca 60
 cactgctttc gtaggatcaa ttccgaatac ccaaactcgg agatatcacg aggactcccc 120
 cgggccccca aacgcacmtc tctcttggtt ggaatgggag cntccagaag cagtgcgaga 180
 cc 182

<210> 12718
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 12718
 aagctcactt gtttttgggc aatctagcca aggtgtcaca taatggagaa aaatgcagat 60
 ggtcctgggc tgggtgtgaat gaagaatgac ctggggccaa catagaactt ttccagtatg 120
 gtctctgcat gtggggagcc aaactctaga gaagacatca gtgaactgct gatttggagt 180
 gactgacact tattcctgag agtaggtgat tcttcagtat ccaaagaaat gtatcaagtt 240
 tgtattagat g 251

<210> 12719
 <211> 181
 <212> DNA

<213> Homo sapiens

<400> 12719

cacactgggtt	ttctgtctcc	cacctcccac	cggatgacct	ttgcgcttag	ccatccctct	60
attgggaaca	cgcttgcccc	agatcttcac	attcaggctc	cagctcaaat	gtcactgctc	120
ggaaactcta	gccgtaagt	gcaccttgct	cctgcctgc	cgctcacccc	tcattacatc	180
a						181

<210> 12720

<211> 556

<212> DNA

<213> Homo sapiens

<400> 12720

ataggcacac	agagatacgc	gcacacacac	acacaaacgc	actcagattt	cccggaccct	60
ggttttcctc	ctgtgaccct	ttcggggccg	ggctctcacc	ctaaagaagc	agccccgccc	120
tgggggtggc	ccaccctctc	ttgggacctg	tcataagtcg	gaccccgggc	gcccggctgc	180
gcagtcccag	ccgccttccc	caggcagtgg	aaccttcggg	ctcctgagct	tcaggatggt	240
tcgtactaag	acatggaccc	tgaagaagca	ctttgttggc	tatcctacta	atagtgrctt	300
tgrmgttgaa	agacatctga	gctcccaccc	ttaaaaaatg	gagaggtcct	gcttgaagct	360
ttgttctctc	ccgtggatcc	ctacatgaga	gtggcagcca	aaagattgaa	ggaaggatgat	420
acaatgatgg	ggcagcaagt	ggccaaagt	gtggaaagta	aaaatgtagc	cctaccaaaa	480
ggaactattg	tactggcttc	tccaggctgg	acaacgcact	ccattttctga	tgggaaagat	540
ctggaaagct	gctgac					556

<210> 12721

<211> 274

<212> DNA

<213> Homo sapiens

<400> 12721

agcgagggcg	tgcggagttt	ggctgctccg	gggttagcag	gtgagcctgc	datgcgcggg	60
aagacgttcc	gctttgaaat	gcagcrggat	ttgaagttgg	gatatctaaa	gcagaagcct	120
tagaaactct	gcaaattatc	agaagagaat	gtctcacaaa	taaaccaaga	tatgctggta	180
catctgagts	acacaagaag	tgtacagcac	tggaaactct	tgagcaggag	cataccagg	240
gcttcataat	caccttctgt	tcagcactng	atga			274

<210> 12722

<211> 411

<212> DNA

<213> Homo sapiens

<400> 12722

atatgcattg	gtatgtgttt	atcttcattc	actgttttta	tggctctcaa	taacctttct	60
aatctgataa	ctcatttctt	tcaattcttc	taatttttcc	tgtattcttt	gataattttg	120
tgtacttatt	ttttctcttc	tttttgactc	tttattagtt	agatgttaga	catgttaggc	180
tggctcttta	gtttacttac	ctatagcttt	tttagttcaa	catcccttct	cttcaaactc	240
tgctgagagt	aaatctccag	ttttctgctg	gggttgagga	gggatagttg	cctagaagag	300
gtctaagtgc	ttctatacag	gttttcacaa	tcctgttctc	tgctgcattg	ccacccttaa	360
tttttagaggt	actgctgcta	cttcttaaga	cttttttttt	ttcctkgttt	t	411

<210> 12723

<211> 426

<212> DNA

<213> Homo sapiens

<400> 12723

ccaaaatctt	gggggatgga	accatctctc	ctggagtctc	acctctgcac	agtgaggccc	60
tggtggctac	tgtcctgact	tctggtgatt	atcttgact	ggagtctctc	tttgtttttag	120
tcagtagaat	ctctaagcc	cactttcact	ttctggttta	aatacaggct	aaagggtccc	180
cactgctccc	ccagcccca	actctgtttc	atcccagcas	ctaccttggg	cccaccttca	240
atcctcattc	ctgctcctat	tactttcttt	ttcacccag	attaaggctt	ctgggggtatc	300
ctttcctagg	acgcagaatg	aggtatagtc	tgtcacccca	attgaagctc	racatttggt	360
gagaatttct	agtttttact	ctgtaattca	gagatcttag	gaagaatttt	gtcttccatc	420
tcccam						426

<210> 12724

<211> 106

<212> DNA

<213> Homo sapiens

<400> 12724

tgaactctt	gaagcccata	agattaagat	ggattcttca	catatcctac	tttgacagag	60
atatgtagaa	gattagtctc	tcattatttc	ctattaactg	aagaag		106

<210> 12725

<211> 364

<212> DNA

<213> Homo sapiens

<400> 12725

acaggaagtg	aagagcttcc	gccgggagac	cgcggtgca	ggaacggagg	cggaaggggc	60
cctgcggcga	cgacgtcgtc	gacgggggtg	gccgtgggag	ctgagcacgg	agaagactcc	120
ctctctcgga	agccggatcc	cgagccgggc	aggatggatc	accaccagcc	ggggactggg	180
cgctaccagg	tgtttcttaa	tgaagaggat	aactcagaat	catcggctat	agagcagccg	240
atgtcacttt	ccttttaggt	atagtcccaa	ataatccag	aagctttgat	agggattatc	300
tctctttctc	ttcccatgct	ccctcaaact	cttgcctcaa	tgttactctg	cggagagggc	360
tcca						364

<210> 12726

<211> 391

<212> DNA

<213> Homo sapiens

<400> 12726

acaggaagtg	aagagcttcc	gccgggagac	cgcggtgca	ggaacggagg	cggaaggggc	60
cctgcggcga	cgacgtcgtc	gacgggggtg	gccgtgggag	ctgagcacgg	agaagactcc	120
ctctctcgga	agccggatcc	cgagccgggc	aggatggatc	accaccagcc	ggggactggg	180
cgctaccagg	tgtttcttaa	tgaagaggat	aactcagaat	catcggctat	agagcagccg	240
atgtcacttt	ccttttaggt	atagtcccaa	ataatccag	aagctttgat	agggattatc	300
tctctttctc	ttccttgccc	tgagtgggaa	gaaacccacg	gtccacgtcc	tcaaaatttg	360
gtccaaatgt	tactctgcgg	agaggggtcc	a			391

<210> 12727

<211> 142

<212> DNA

<213> Homo sapiens

<400> 12727
ccacatcttg gcagcaccac agtgcgagac ccacagctcc cctttctttg aaattctttc 60
acactcatta ggataatcaa agcttccagt ttagtgcatg agctaattat taagttagcc 120
aaagcttaaa ctcttgtaac ca 142

<210> 12728
<211> 332
<212> DNA
<213> Homo sapiens

<400> 12728
gtgggattcc gcgcgtgcgc tcggctccgc ctggtgcggc cgcggccggg agggactgga 60
ttatgtcggc cccgtttgag gagcggagtg ggggtgtacc gtgcgggacc ccgtggggcc 120
agtggtagca gaccttgag gaggtgttca ttgaagtcca ggtgccgcca ggacgcgcgc 180
ccaggatata cagtgcggcc tccagagccg gcatgtggcg ctgtcgggtg gcggccgcga 240
gatectcaag ggcaaactct ttgattctac aatagctgat gagggaaacat ggactttgga 300
ggacagaaaa atggttcgta ttgttcttac aa 332

<210> 12729
<211> 413
<212> DNA
<213> Homo sapiens

<400> 12729
aacttccgct tccggttctt agcgttaact gcgaccgggg ttcagcgctc ggggtgaggag 60
ctggtggcgt cggcagggttc gaggcgattc gagctccagc taggatgata gaggttggtt 120
gcaacgaccg tctggggaag aaggtccgcg ttaaatgcaa cacggatgat accatcgggg 180
accttaagaa gctgattgca gcccactg gtaccggtg gaacaagatt gtcctgaaga 240
agtggtagca gatttttaag gaccacgtgt ctctggggga ctatgaaatc cacgatggga 300
tgaacctgga gctttattat caatagatga gaatcctcat cttcctgccc cgctttcctc 360
tccatcctc atccccacm ykggggatag atctnngtnt gtaaaaactc acc 413

<210> 12730
<211> 427
<212> DNA
<213> Homo sapiens

<400> 12730
aacttccgct tccggttctt agcgttaact gcgaccgggg ttcagcgctc ggggtgaggag 60
ctggtggcgt cggcagggttc gaggcgattc gagctccagc taggatgata gaggttggtt 120
gcaacgaccg tctggggaag aaggtccgcg ttaaatgcaa cacggatgat accatcgggg 180
accttaagaa gctgattgca gcccactg gtaccggtg gaacaagatt gtcctgaaga 240
agtggtagca gatttttaag gaccacgtgt ctctggggga ctatgaaatc cacgatggga 300
tgaacctgga gctttattat caatagatga gaatcctcat cttcctgccc cgctttcctc 360
tccatcctc atccccaca ctgggataga tgctgttctt tgaatggtaa taaagtaata 420
agcttca 427

<210> 12731
<211> 502
<212> DNA
<213> Homo sapiens

<400> 12731
aacttccgct tccggttctt agcgttaact gcgaccgggg ttcagcgctc ggggtgaggag 60

ctggtggcgt	cggcaggttc	gagggcattc	gaggtgaggg	ggccaagcgg	agaggctcgg	120
agtcggagaa	agctgtcgcg	acccagccac	ccagggtctg	gggtcgggtg	gagctccagc	180
taggatgata	gaggttggtt	gcaacgaccg	tctggggaag	aaggtccgcg	ttaaatacaa	240
cacggatgat	accatcgggg	accttaagaa	gctgattgca	gcccactg	gtaccctgtg	300
gaacaagatt	gtcctgaaga	agtgggtacac	gatttttaag	gaccacgtgt	ctctggggga	360
ctatgaaatc	cacgatggga	tgaacctgga	gctttattat	caatagatga	gaatcctcat	420
cttcctgccc	cgctttcctc	tcccatcctc	atccccaca	ctgggataga	tgcttggttg	480
taaaaactca	ccttaataaa	ga				502

<210> 12732

<211> 417

<212> DNA

<213> Homo sapiens

<400> 12732

aacttccgct	tccggttccct	agcgttaact	gcgaccgggg	ttcagcgctc	gggtgaggag	60
ctggtggcgt	cggcaggttc	gagggcattc	gagctccagc	taggatgata	gaggttggtt	120
gcaacgaccg	tctggggaag	aaggtccgcg	ttaaatacaa	cacggatgaa	atgtcaccca	180
ggctagagtg	cagtggcata	ataacagctc	actgtagcct	cgatctcctg	ggctcaagtg	240
atcctcctgc	ctcagcctcc	caagtagttg	gaacacaggc	acgtgccaca	cctgcccctc	300
cctttttttt	ttwaagatgg	tcttgctgnk	tmaccaggc	tagagtatag	ccttgatctc	360
ctgggcttaa	gcaatcctcc	cacctcagtt	tccsargtag	ctataggcac	gtgccac	417

<210> 12733

<211> 328

<212> DNA

<213> Homo sapiens

<400> 12733

ctttcctaaa	aatgcaacag	ataatgctgc	tagattgtta	ttttgtttgc	actttttttt	60
gattggcatt	ttaaaatcgg	tattttaaact	gaagacattg	tcatgtttta	ttaatttaac	120
aaagttgaaa	gtgactgctc	tgtacatcat	gaccttaaca	atgttaatgc	tgtaagtga	180
agttcactgt	cgtctgtata	ctaaatttat	tgggtgtttc	aacttaaaa	taagactgca	240
gattatcccc	caccagcctt	agtcaggggg	tgtggctctg	tccgggtgca	gtatgcagtc	300
atgtggaacc	ttgctttcta	gtcctggg				328

<210> 12734

<211> 287

<212> DNA

<213> Homo sapiens

<400> 12734

agttaatttc	ctgttgccct	tctgtgtcag	ccacaatatc	aggtctaacc	ctaattccagg	60
gatgccagta	aactgaaggc	aatttttagt	tgtagaactc	agattaattg	tagaaaccat	120
taattttaat	tgctctaatt	ttcatagtaa	tcataaaaag	tatgcaagta	cctaatatat	180
aaactcaatt	gacactgtat	ctgtagaagt	aaatttttaa	tggctgggta	attatatcac	240
tacattttat	tgcaatatag	tactcattta	agcacttaaa	aatggma		287

<210> 12735

<211> 383

<212> DNA

<213> Homo sapiens

<400> 12735

```

aagaatgaat agggccgcgc agaccaaggc gtccgatcca cgcgcgctcc acacccggac      60
cctctccaag ttggaaagga caaaaagaag gcaataaatg ctaaaaaggg agagaagggg      120
agctggatcg agcggcaact ccagcctct gctggaacag agagggaggg agggagccgg      180
agcgagcgag cgcgcgcgag ggcgagcgct gcacgtaaag aaactgacac ccggaccccc      240
rattcyccct tctgattctt cctnncactg aacaagccct ccttttcaat cagtgtctgg      300
cctgcccttc tcttctcat gaaccatcag tggctcccac gtccactggg atagcttctc      360
ccaacctgct ttctttcttt ttt                                     383

```

<210> 12736
 <211> 315
 <212> DNA
 <213> Homo sapiens

```

<400> 12736
ctctttctac ctaataaata cgaagggctg tagaagctca gggcccttgc tactagaag      60
gagccccctg accccttctt ccaaaaatac tttttgtctt tgtcttcgtt tctgcattca      120
tcccccttcg ttcactccca taacaaccaa cagcgacaac tggcacctag gacagggacg      180
tgagtgaagg tctgctggag cagagaaact gacactgaca agaagaacga gaatgagaaa      240
ccctgcgacg agtctgtctga cagctaatat aagtctgcaa aatcagctgg accaccaaac      300
ggcaattgag agctg                                     315

```

<210> 12737
 <211> 245
 <212> DNA
 <213> Homo sapiens

```

<400> 12737
cagaaactga cctgaggca gcacagggcat tggacttgct agacaaggac attaattgtct      60
tcaacctact caaagagcta acagaaacca tggacaaaca actaaaggaa acagagaatg      120
atztatcatt aaataaagaa tatcagtaaa gagataaaaa ttataaaaag gataggaaca      180
gaggaaatca aattgtctgt ttgtagatga catggttgta catttagaat accccatcat      240
ctcag                                     245

```

<210> 12738
 <211> 181
 <212> DNA
 <213> Homo sapiens

```

<400> 12738
cttgattata gcacactgct ttgccatgtt taactgtgag ggtgtcttgt gttgtttgaa      60
tgtgatctga acagaaactg accttttcag atgtttcttc tttggagatc agacagttga      120
agttgaagta ttcttcccat caaattatcc tgagggagga ctacagagcc agtttaggaa      180
g                                     181

```

<210> 12739
 <211> 187
 <212> DNA
 <213> Homo sapiens

```

<400> 12739
gatattaata gtgttggtgt cttgaaactg acgtaatgcg cggagactga ggtcctgaca      60
agcgataaca tttctgataa agaccgatc ttactgcaat ctctagcgtc ctcttttttg      120
gtgctgctgg tttctccaga cctcgcgtcc tctcgattgc tctctcgctt tcctatttct      180
ttttttt                                     187

```

<210> 12740
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 12740
 aagtttggtg gctgcggcag caggctagca aagtgcgcc gagggcctga gtgctccagt 60
 agccaccgca tctggagaac cagcgggttac catggagggg atcagtgtaa gtncagtttc 120
 aacctgcttt gtcataaatg tacaaacgtt tgaacttaga gcgcascctt ctccgagcgg 180
 gcagaagcgc 190

<210> 12741
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 12741
 tatgaacggg aaggaggtga gcggggcggct gctgtacgcg ggccggggccc aaaagcgcgt 60
 ggagcgcaga atgaactgaa gcgcagggttt gagcagatga agcaggaccg gctgagggcgt 120
 taccaggggtg tgaacttgta tgtgaagaat ctggacgact ccattgatga cgacaaactg 180
 aggaaagagt tctctcccta tggagtaatt accagtgcga agaag 225

<210> 12742
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 12742
 caaataggga aactgaggcc cagaaagggg aagggtcacc cagtgcgcaa gtcagagaga 60
 caggtccaga acacaggtgt cctagctacc aggggttgga gtgcttagcg gacagctgta 120
 cgccacangt gggcatgagg cctttggtga ggaagagcgt tgagggtttac gatcctggaa 180
 caaatacctg gaagcaagtg gcagacatga acatgtgccg gcgcaacgca gggctctgtgc 240
 agtaaatggg ctctgtatg tgggtggagg gg 272

<210> 12743
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 12743
 gaaagaatac atatgcaaat aagtttactt ttatttttgg taacacttta ctgcattgtc 60
 tgaatattga caatcagtat gcattatgaa gctacctggc taacattgtg tactcactgt 120
 gtgtgccagg ccctgggttc aatgctctac atgcacktat akttcattta attctctctg 180
 caacctgaga tggatatagc accctcatttt acagagttga aactgaggct cagagactga 240
 aagtaagcct gaggttgacg tcaataagag gcagagctgg aactgaaacc tacctgtgtc 300
 tgaccaccag ttcgtgttct gacggcaggc tagtctgcac cacagagtgt ggagtagatg 360
 gtgcatgcct gctaggatgg gctaggatgc actgtaggta agaaacagcc ccaaactatg 420
 gaaatgtaca ccaactgaagg ctcttttctt gcccatgctg cacatcctcc atggctctcc 480
 tgtgccctgt gccccacatg ccctcatcct gccca 514

<210> 12744
 <211> 255
 <212> DNA

<213> Homo sapiens

<400> 12744

ttgaaattgc	aggaggcggt	tgctccggcc	tgtctcaagc	tctgttgggt	gccgatgggg	60
aaactgaggc	tcaggaagac	agttgacttg	ttcctggact	tctaattgtga	ctccccaccc	120
ccagccgggt	gctccgagcc	atggccgaca	ccatcttcgg	cagcgggaat	gatcagtggg	180
tttgcccaa	tgaccggcag	cttgcccttc	gagccaagct	gcagacgggc	tggtccgtgc	240
acacctacca	gacgg					255

<210> 12745

<211> 445

<212> DNA

<213> Homo sapiens

<400> 12745

atatcagagg	ctcggcgcg	cgsstcctcc	tcgctccgc	tccccactcc	cgggatgtgt	60
ctccgccgta	cgacgggcta	tggccaccac	gacttcggg	ttccgtcatt	tcgttctccc	120
gccgcccga	ccgcgcgcgc	aaactgaggc	tcttcaataa	gccaggcagc	agccaacctg	180
ccaacacct	ctgacactca	ctcatctccc	agagagagaa	agagagcgag	agagagcgag	240
cgcgagagag	cgagcgcgag	tgagagcgag	cgagcgagcg	agaaagagat	aactccctcc	300
atgtggcttc	aagccaccag	gacacaggcc	cccccaacac	tcttaatctt	ctcctcagct	360
cttctgctga	agaatttggc	cttcacgatg	acaggctgct	ttgggagctt	tccctttccc	420
agaactttgt	agtagccga	cgcac				445

<210> 12746

<211> 440

<212> DNA

<213> Homo sapiens

<400> 12746

atatcagagg	ctcggcgcg	cgsstcctcc	tcgctccgc	tccccactcc	cgggatgtgt	60
ctccgccgta	cgacgggcta	tggccaccac	gacttcggg	ttccgtcatt	tcgttctccc	120
gccgcccga	ccgcgcgcgc	aaactgaggt	cttcaataag	ccaggcagca	gccaacctgc	180
caacacctac	tgacactcac	tcattctcca	gagagagaaa	gagagcgaga	gagagcgagc	240
gcgagagagc	gagcgcgagt	gagagcgagc	gagcgagcga	gaaagagaga	gagggagaga	300
caaaatacct	accaggaaa	ggggggagga	agtccaattt	ttgcaaacta	ttcatttttt	360
tttcttgatt	tttctcactg	ctttctttga	acaatacttt	aaagagagag	gatcgtatta	420
tagataccgc	ggggggcaaag					440

<210> 12747

<211> 128

<212> DNA

<213> Homo sapiens

<400> 12747

tttcgcttga	ggcatttttg	cggcgctgtg	sstacagaca	ccttctggaa	gctgcgggtg	60
ggaaactgag	tttcccagagc	cgttgagaca	gatgggggttc	agcaccgcgc	ggggacgaca	120
ggaaagct						128

<210> 12748

<211> 261

<212> DNA

<213> Homo sapiens

<400> 12748

agactactgc	tacttacagc	accgtatagc	agccctgctc	ctacattttg	ctgccttact	60
ctgccccgaa	tgactggan	nggggatggt	ccatcggcaa	ctataaactg	attctcatca	120
ggaaactgca	cattatctcc	ccatcacttc	aaaggctctg	tcaggcagag	gtgacgccag	180
gagatgattt	aaaggtgaaa	atgacaaggt	ttccaccctt	caaaccttgg	ctccttttct	240
gacaatacag	tctgaatgaa	c				261

<210> 12749

<211> 604

<212> DNA

<213> Homo sapiens

<400> 12749

cctactgcag	gcgcggggag	ctgcctttcc	gcccctccgc	ctgctttcca	agcctggact	60
cttaggagtg	gctgaagctg	cggasgcttt	tggagcctgt	gaatgaaccc	tcctcctcyn	120
ncktcttctt	tcttctcgct	gagtctcttc	ctcggctctg	acggtacagt	gatataatga	180
tgatgggtgt	cacaaccgcg	atttgaactt	gcaggcgagc	tgccccgagc	ctttctgggg	240
aagaactcca	ggcgtgcgga	cgcaacagcc	gagaacatta	ggtgttggtg	acaggagctg	300
ggaccaagat	cttcggccag	ccccgcctcc	tcccgcatct	tccagcaccg	tcccgacacc	360
tccgcctcct	tccccggggc	accacgcttc	ctatgtgacc	cgccntggca	acgccgaacc	420
cagtcgcgca	gctgcagtga	atcttcccc	caaactgcaa	taagccgcct	tccaaggcca	480
agatgttcat	aaatataaag	agcatcttat	ggatgtgttc	aaccttaata	gtaacccatg	540
cgctacataa	ngtcaaagtg	ggaaaaagcc	caccggtgag	gggctccctc	tctggaaaag	600
ccag						604

<210> 12750

<211> 378

<212> DNA

<213> Homo sapiens

<400> 12750

agagtttaca	aagggtctagg	atgacatctg	gtgtattgac	tgtggccagt	cttaaagcta	60
gtttttgcta	tgtggaacat	gctgctctaa	ttcagattta	aagagtttct	tcctgttaat	120
tcgaagctca	ctgtgcctct	tgtttccgag	ggaagaagga	ctgattaagt	catctaaatg	180
gatgcaatac	tgaattacag	gtcagaagat	actgaagatt	actacacatt	actgggatgt	240
gatgaactat	cttcggttga	acaaatcctg	gcagaattta	aagtcagagc	tctggaatgt	300
caccagagaca	agcatcctga	aaaccccaaa	gctggtaaga	acttaataaa	ggctacttct	360
caagaaaatg	agtagtat					378

<210> 12751

<211> 258

<212> DNA

<213> Homo sapiens

<400> 12751

agaagcgccg	agagcgcggc	cgggacggtt	ggagaagaag	gcggctcccg	gaagggggag	60
agacaaactg	ccgtaacctc	tgccgttcag	gaacccgggt	actttattcg	ttaccctttt	120
tcttcttctt	cccccaaaaa	ccttttctct	ttcccttctt	tttttttctt	ttttgggagc	180
tgaaaaatgt	ccggtaaggg	aaagaagggc	tccttttctt	ccttatttcc	ccgcctcctt	240
ccctccccc	ccttcccc					258

<210> 12752

<211> 381

<212> DNA

<213> Homo sapiens

<400> 12752

aaaaaccca	catggattca	cacgcatctg	gtagcttgg	tgttgcaatt	ccgaagctgg	60
gccttcactg	agagcttgca	tctctgcata	aactgcctct	gggctttggg	acctgcttta	120
gcttccagga	gctgmtcttc	aagaccacat	tcctccccag	agcagccctg	tcaacatcca	180
gggacagatg	aaagcccag	tatgaagacc	tgaccatctc	ccccgaaatc	aggaaactct	240
gaagagcatt	ctagctccaa	agattcctgt	gggttggctg	gggctgtcct	tggacctgta	300
gtacagccca	ggctctccca	ctgcccamac	ccgctcttgc	ctcctctctt	acacaggtgt	360
tggtctgagg	gcacttgtac	a				381

<210> 12753

<211> 264

<212> DNA

<213> Homo sapiens

<400> 12753

ctaattgaca	tagggacatg	catttctgct	tcaccaaagt	ccccaccaac	ccctattgtc	60
ttccatctat	ttcacttact	cctatttctg	gcatggctct	tgtaggcatt	tgagtttgcc	120
actcatggat	agggcctggc	atggcaaact	gcctggacct	tccgcaactg	tccttaccat	180
caccctccaa	tcccagttcc	tgggagggaa	tccgggtctc	attccacca	tttctcctcc	240
ccagcacctt	ccccagttcc	tgcc				264

<210> 12754

<211> 78

<212> DNA

<213> Homo sapiens

<400> 12754

gttacagcgc	ttaactggaa	actgcgattt	agtttttgg	gaaaggagt	gaaaaaacc	60
atgaactgac	ctaccctg					78

<210> 12755

<211> 430

<212> DNA

<213> Homo sapiens

<400> 12755

ccacaacaaa	tctagctcta	gttggtatat	ttaggcaaaa	ctttgtagtc	ttctttccct	60
tttatgatgg	attttgataa	aagtacaaaa	cagggttttt	cttttttata	acctttgaat	120
ttggaaattt	tgagcaccca	agctcttctg	tacctattta	aagtccacca	aggggactgc	180
agctcctaga	acatgagaat	caagcctctt	aatttttaac	tgcggaatgt	ggcctctgct	240
tcctccgtcc	tcctgcccac	ggacgacgag	gattgctcca	gggctgctgg	gtagtttacc	300
gtcccttcta	taggcatgga	gttggcactg	acatcacagc	ttcataaccc	caccaccgcc	360
agcttccctt	gcctcctaca	tccagtctgt	tcttggtcat	rgtgagaatc	ctgtgttccc	420
acttcagtga						430

<210> 12756

<211> 181

<212> DNA

<213> Homo sapiens

<400> 12756

atagagccct	cagtgggatg	agggtgaaac	tgctattgcc	ggcggtcct	gttttaccsc	60
------------	------------	------------	------------	-----------	------------	----

gtcagcatgc tgggtgcattt atttcgggtc gggattcggg gtggcccatt cccaggcagg 120
 ctgctaccgc ccctccgctt ccagacattc tcagctgtca ggtactctga tggctaccgc 180
 a 181

<210> 12757
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 12757
 aagactcccg tagtccccac ctctctcagc ttccggctgg tagtagttcc gcttcctgtc 60
 cgactgtggt gtctttgctg agggtcacat tgagctgcag gttgaatccg gggcgctttt 120
 aggattcagc accatggcgg aagacatgga gaccaaatac aagaactaca agaccgcccc 180
 ttttgacagc cgcttcccca accagaacca gactagaaac tgctggcaga actacctgga 240
 cttccaccgc tgtcagaagg caatgaccgc taaaggaggc gatattctctg tgtgcgaatg 300
 gtaccagcgt gtgtaccagt ccctctgccc cacatcctgg gtcacagact gggatgagca 360
 acgggctgaa ggcacgtttc ccgggaagat ctgaactggc tgcattctccc tttcctctgt 420
 cctccatcct tctcccagga tgggtgaaggg ggactggtac ccagtgatcc ccaccccagg 480
 atcctaaatc atgacttacc tgc 503

<210> 12758
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 12758
 aagactcccg tagtccccac ctctctcagc ttccggctgg tagtagttcc gcttcctgtc 60
 cgactgtggt gtctttgctg agggtcacat tgagctgcag gttgaatccg gggcgctttt 120
 aggattcagc accatggcgg aagacatgga gaccaaatac aagaactaca agaccgcccc 180
 ttttgacagc cgcttcccca accagrayca gactagaaac tgctggcaga actacctgga 240
 cttccaccgc tgtctgaagg caatgaccgc taaaggaggc gatattctctg tgtgcgaatg 300
 gtaccagcgt gtgtaccagt ccctctgccc cacatcctgg gtatgtgcct cctgccaggg 360
 cccttgggat gctgggggtg ggtcttagca gaggggmgtg tggangctts gtgggagctc 420
 atctgtgagg ggcagaygga ggaca 445

<210> 12759
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 12759
 aagactcccg tagtccccac ctctctcagc ttccggctgg tagtagttcc gcttcctgtc 60
 cgactgtggt gtctttgctg agggtcacat tgagctgcag gttgaatccg gggcgctttt 120
 aggtgagtgt ggagggttct gtaacctggg accccagtct agcgggctga ggagccggac 180
 cccagcttcc ctgagaacgg gttgaggctt ccggctggcg gcgtccggcc tccctggacc 240
 cctacacaag gacagaaccc tccaccccta cccccaaccc tcagacagac ttatacac 298

<210> 12760
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 12760
 acgtgtcggg gaggagccgg gcgcggaggt acgctgagtg gagctcgggg ctgcgtaggg 60

gagctgagcc	gagyggctgg	gcgggcctgg	ccggggccagc	ggaggggaga	cgtcggttga	120
gcgggcgcgga	acatgcgctt	ttgacacatt	ggaggcttta	aaggagaagc	tagagcatca	180
atatgcacag	agctataagc	aggtctcagt	gttagaagat	gatttaagtc	agaccc	236

<210> 12761
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 12761	
aattcttcga	gtatgctgct cttgctctaa gacgctcata cattggagtc acagcttcgt 60
aaattaaact	ggaaatagtt tgcagactta tcagtcttct gacctgcagc agtgtctctg 120
ctatgttttsa	gattttttgty ttggatgggt aaagctagca ctccttataa gacatgacag 180
caaaagattc	ttcaaaggaa cttactgctt ctgaacctga ggtttgcata aagactttca 240
aggagcaaat	gcatttagaa cttgagcttc cgagattacc agga 284

<210> 12762
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 12762	
gcttcctcgg	ctccagcctc cgccggcgga sccactatgc cagacagttt cgacactttg 60
caaagacaaa	gagccctaga ccggaggagg gaggaggagg aagaagagcg gagagagaag 120
gaagaggcga	tgtgagctgg gaagggggca agtgctccgg acaccacac ccctgtattc 180
tcctccgaac	cccttcattg ccaaatcccg gaaactccag cgtgtctcca gccgtgttgg 240
taccattttc	agatttcatt ttcctaaact ggaaatgtca atgagaggaa attaacaccc 300
ccaagagctg	cagtgcagaa atgcattgag cttgggtcag gacaattcca ttgggggacc 360
agagatggac	ggtcactcag cctatggaga tgaagaaact gaggttcaga gaggttaaga 420
gactccactg	aggtcacaca gccgatgaca gacaaccttc tgtgccttca tcaagctggt 480
tgtgtaccca	ccatgtccct ggcgacagga tgggaaagaa aaagcc 526

<210> 12763
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 12763	
aagacactga	ccttcagcgc ctgcggtcca gcgccatggc gccctccagg aagttcttcg 60
ttgggggaaa	ctggaagatg aacggggcga agcagagtct gggggagctc atcggcactc 120
tgaacgcggc	caaggtgccg gccgacaccg aagctagatc ccaagattgc tgtggctgcg 180
cagaactgct	acaaagtgac taatggggct tttactgggg agatcagccc tggcatgac 240
aaagactgcg	gascacgtgg gtggtcctgg ggcactcaga gagaaggcat gtctttgggg 300
agtcagatga	gctgattggg cagaaagtgg cccatgctct ggcagaggga ctcggagtaa 360
tcgcctgcat	tggggagaag ctagatgaaa gggaagctgg catcactgag aaggttgttt 420
tcgagcagac	aaaggtcatc gcagataacg tgaaggactg gagcaaggtc gtcctggcct 480
atgagcctgt	gtgggccatt ggtactggca agactgcaac accccaacag gccaggaag 540
tacacgagaa	gctccgagga t 561

<210> 12764
 <211> 117
 <212> DNA
 <213> Homo sapiens

gaggtccctc	cttgagtctc	atgttcaagc	agtctttgtc	catgaaactg	ggaggcgacc	300
gtgttagctg	ccagttcctg	acagccacct	ctcaccagtg	gcttcactct	gtgtccctga	360
cccagcacat	ggcacaagag	tgcttgccat	ccgtcagtgt	ttctacagca	gcaatcccta	420
gatgctggag	ctagagggg					439

<210> 12770
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 12770	
tgctttcggc	60
ttgctcggcg	
gasaagatgg	
cggacatctc	
cctggacgaa	
ctcatcagga	
agcgncgggg	120
cggcggcgaa	
aggacggctt	
aatgccagac	
cgggagttgg	
aggtgtccga	
tctcgagttg	180
ggatccagca	
aggccttctc	
agccagtcaa	
cacgcacagc	
caccttccag	
cagagatttg	240
atgcccggca	
gaagattggc	
ctctcagatg	
cccggctcaa	
actgggagtc	
aaggatgccc	300
gggagaagct	
tttgagaaa	
gatgcccgat	
ttcgaatcaa	
agggaaagtg	
caggatgcca	311
g	

<210> 12771
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 12771	
agatgccatc	60
caggcgcacg	
gcggttatag	
tggttccgca	
accttgggat	
gttcggctga	
gcgcctgect	120
aacatgggag	
cgcttgccca	
accctcctga	
ctggagggtc	
agcggcgggg	
agtcctggcc	180
ttcaatcggc	
catcgccacg	
gcagaaactg	
gggcccgggc	
tgctccaggg	
cccttccccg	240
tccgtccaca	
ggtctcatgg	
gcgcccggac	
tggggctgat	
gtagtttccc	
gacctctgac	300
acataggatc	
tggagattaa	
atgctctctg	
ctaataatta	
ggttcccacc	
tctcaagatc	360
attaggagct	
tcttttccaa	
ttcctctggt	
ttgcatgcat	
tggaaggcct	
ggatcctcct	413
ggaatccctg	
atccctggtg	
ctcctggcgg	
agttttctag	
tcc	

<210> 12772
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 12772	
ccctacctcc	60
catcctttgc	
ccaggagctg	
ccttggcagt	
cacgcccctt	
ccttccgagg	
agctttcttg	120
ctgcctaaac	
tggtagaccc	
cctgaattac	
tcctccatct	
ccgctctctt	
tcgcctcctc	180
ttctcttagt	
tctctccgcc	
tcctccctca	
ctaccaccac	
ctccagtcag	
tctcgctccc	240
ggctatccgc	
tgtccacccc	
tctggcccgg	
tatcctgect	
gtccgctgcc	
accaaggaga	300
gcccggacgg	
agcagcgagg	
aggggagcag	
cgggagttg	
gggcttcccc	
cctgcscatc	360
cctggccgct	
ggcccgggac	
cgaagccact	
tgagcgagca	
gagagtcgts	
accttgcttt	420
ctttgccttc	
agggagctgc	
taagaaggac	
aaataagata	
gcagagtga	
agagcttttg	455
tctccttaga	
aggaaggctg	
agaaa	

<210> 12773
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 12773	
ctctwcccg	60
ctcatgactg	
tgtttactgg	
gctggatttt	
gggaaggggc	
cagattgcat	

0044220" 66667560

cagacagggc	ctgatgggct	ggagccagac	tgtggtctga	ggaggagaca	cagccttata	120
agctgagggg	gtggagaggg	ccggggccag	gaaagcagag	acagacaaag	cgttaggaga	180
agaagagagg	caggggaagac	aagccaggca	cgatggccac	cttcccacca	gcaaccagcg	240
ccccccagca	gccccagggc	ccggaggacg	aggactccag	cctggatgaa	tctgacctct	300
atagcctggc	ccattcctac	ctcggagggtg	gaggccggaa	aggtcgcacc	aagagagaag	360
ctgctgccaa	caccaaccgc	cccagccctg	gcgggcacga	gaggaaaactg	gtgaccaagc	420
tgcagaattc	agagaggnag	aagcgagggg	cacggcgctg	agacagakct	ggagatgags	480
cagaccatgg	cactac					496

<210> 12774
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 12774						
acttaacatg	acgcccacga	tgtgcaggca	ctgttctaag	cattttacat	atgtaaactg	60
gttaatcctc	atcacaactc	catgagtttc	ctgggtgaag	gattaattat	ctgctacctg	120
atctaaagtt	gataaatgma	aaacatcagt	attamcacat	gacatggaaa	aaacaccaga	180
ggagaaaaaa	ccaccaaagg	magaaaaaca	aaaactgtga	acagtgatgt	ctcaccgggg	240
gtggggagcac	agcagcagac	atttgtcaaa	actcacc			277

<210> 12775
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 12775						
caaggtggac	atcaactgtg	aggacatgga	ggacgggaca	tgcaaagtca	cctactgccc	60
caccgagccc	ggcacctaca	tcatacaacat	caagtttgct	gactagcacg	tgcttggaag	120
cccccttact	gtgaaggtga	ccggcgaggg	ccgcatagaag	gagagcatca	cccggcggag	180
acaggcacct	tccatcgcca	ccatcggcag	cacctgtgac	ctcaacctca	agatcccagg	240
aaactgggttc	cagatggtgt	ctgcccaggga	gcgcctgaca	cgcaccttca	cacg	294

<210> 12776
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 12776						
tatgggagga	gtaaagaaaa	ctgaagaatt	taaagttttc	ctgaagacag	taataatgca	60
gacacaaact	ggtttcatat	ggtgagagca	gccacagcag	cagcttgacc	tggtattcta	120
cctgagtaga	tgaagcagaa	gatcagcaag	tttggcagag	ttttggtkta	agaaaaacaa	180
accactacta	cctagcacaa	gttaaattta	caagtctgct	cctcaaaaat	gaaaaaatgg	240
aggaaagaga	ctataaaacc	acttttagca	tatgaattgc	agttggtaca	catgtgtgtg	300
ttaataggaa	agtctcgaat	ttgtgttgtt	tttgagattt	gtcatttaag	gtmcagtgcg	360
cacttgatca	tatttcatta	ctatctctaa	cacagtccta	acatctcaa		409

<210> 12777
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 12777						
aagaatatga	ggaagtcttc	ttccttcgcg	ccttcttctt	ccttacgctc	cagggcagcc	60

tgacagagcc	gctcgaaggc	tctgctggcc	gcggttagcc	ggtttaccca	ttccactgga	120
cccagccacc	acgcgctect	gctgtctggg	tgacagagaa	gtctcaggta	gctgagaagt	180
tcatggaatc	ttcttatttg	ctacaccttt	cactactgct	tgtgatatag	tgacagggttg	240
ggatgtgcag	acattttctca	agtgcactgt	gtacctacac	agcatgctgc	aatttggtta	300
ctgaagtcaa	gagaaactgg	tttgaacaac	tactgagtgt	aacataggaa	gcgcattttca	360
tttgataaca	gg					372

<210> 12778
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 12778						
attggtggag	gcccttttgg	aggcacccta	gggccaggga	aacttttggc	gtataaatag	60
ggcagatccg	ggctttatta	ttttagcacc	acggcagcag	gaggtttcgg	ctaagttgga	120
ggctactggc	acgactgcat	gcccgcgccc	gccaggtgat	acctccgccc	gtgacccagg	180
ggctctgcga	cacaaggagt	ctgcatgtct	aagtgcctaga	catgctcagc	tttgtggata	240
cgcggaacttt	gttgctgctt	gcagtaacct	tatgcctagc	aacatgccaa	tctttacaag	300
aggtgagtaa	aacttttttt	agaaattttt	aaaaatactt	tgattccctt	ggctacaagt	360
gatgtcttct	cttggaaggg	aagaagttac	attaatattg	accatcctag	attcccaaga	420
aaaattgtga	awgaattatg	atagtcaaaa	cctttctggc	tgcccttagaa	agtaccacc	480
caattttcca	aaataggcgg	ggctactg				508

<210> 12779
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 12779						
gagtgcgcaa	cgcagscnac	cgagtggaca	ttttggctct	tgtccgcggg	tcagtacggc	60
ccctgggtcc	acgtggcgcg	aaagtaggag	gaagacatag	gccaaggagc	cagacttctt	120
gtgttaactc	cttcctctgc	cactttttac	cttggggacc	tcagttaata	tgatcctctg	180
ttgaagcaag	aagacaaact	gtatgggtgga	gaaagaagtg	ggaaggatct	gcgcggaaga	240
agcctgagaa	gatgatgcac	agatagagag	gcacca			276

<210> 12780
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 12780						
gaacattttg	gtctttgtcc	gcggttaata	tgatcctctg	ttgaagcaag	aagacaaact	60
gtatgggtgga	gaaagaagtg	ggaaggatct	gcgcggaagg	cctgagaaga	tgatgcacag	120
atagaaggca	ccarggactt	aagaggcacc	aggacttggg	aggcatgttg	atccatctcc	180
aggaaagact	gagaaaaaga	gcgttgaata	taagaaaaaa	tacttctctt	gttctcagat	240
cgtatttgtt	ttaaggccac	acctttttga	agttttcagt	ttgaaacaca	acctggactg	300
aaatcatgag	ggagggttg	taggaaagaa	tcatcaaggg	acttagttgg	gagcttctct	360
accacagctt	actccttatg	gtattaaccc	cctttaagtg	taaatgtctt	tggtttaaaa	420
cgtttgtacc	tcatctgtta	ccagagtgtt	catactg			457

<210> 12781
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 12781
 ctttcgatgt cgacgggagg aaactgtcac gcaggccacc aaccggcggg ggagggcgcg 60
 gtgccgagtc ctgccactgc agggtcgccc cgctggctca agctctagaa gcgtagacct 120
 cccagccgc aaaaagcaag tcacgcggcg aaaccgcgga ctcttttgac ccttccgagc 180
 taccatttac ttccataga gggg 204

<210> 12782
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 12782
 atcccgcgga ggagcgcgca scccggggag gccggaggac gcgcccataa aatgcccagg 60
 ggcgacaaac tgtcctgagc cctctgggtg cagccacctg cctgtcccat acgccccgcc 120
 caccatggag tccagaggga agtcagccag cagccccaag cccgacacca aggtgcccc 180
 ggtcaccacc gaggccaagg taccgccggc agccgatggg aaagccccct tgaccaagcc 240
 ctogaagaag g 251

<210> 12783
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 12783
 aagaggctcc acgttggggc gggatggggc ctgaaactgt ctgggtctga gctggggagc 60
 ggaagccast trtmccctctm cctccccagg acttctgtga ctctggggc acagaggctc 120
 aaccaggcta agggcctggg gataccccct gcatggmccc cttgcccata ctggcagggg 180

<210> 12784
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 12784
 aaactgtgag aaccagaccc ggcagccttg ctcaagtccag catagcggas gnatccgac 60
 ggatcgagc ggatcgagc acaccggagc aggtcctatc agaaggcgtc tgcgagacca 120
 tggagaacgg atacacctat gaagattata agaactctgc agaatggctt ctgtctcaya 180
 ctaagcaccg acctcaagtt gcaataatct gtggttctgg attaggaggc ctgactgata 240
 aattaactca gg 252

<210> 12785
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 12785
 tcctttcagc atcgacctct tcaaagagga acagctgctg gccttggaag actacgtgg 60
 caacacttac ttccgccact tcaagctcta taaatacgtc ttacaccccc aggtgcggct 120
 ggatctgtct ttgacttaca tggggctaca gccacccaaa ctgtggccag agagtggagc 180
 gggccacatc cagctcctcc gagcctacat caagacccaa gtgaacaaaag agctggagca 240
 gctccagggg ctggtggagg agcggctcaa ggccagcgag gaaaggctca gcagcaagtt 300
 gactgcacta gagcggccct tccagctacc tccgggtaaa ggcaagagca agaccaagtg 360
 a 361

<210> 12786
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 12786
 ttgttacctc cttgggtatg tacgcctcgc gaggtctctg aacattagat tttggagtgc 60
 cagacaaact gtgttttaca taatcgtgtg gactttgcca ggtaagaaat gactgtgctt 120
 tcaggg 126

<210> 12787
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 12787
 ttataaaaga maaggctggg gggagtggga tatgaaagga aaatgaatct tggggccccc 60
 aaatcactaa gctcaaggga taagtcaagt tagaaactgt tcagggccaa cttaccttgc 120
 attctattca aattcacccc tctgctcact tagatgcata tctgattgta atcagaaact 180
 caaaagaatg cagcagtttg tctctcacct atctatgacc tggaagcccc cttccccggt 240
 tgastcttcc tgcctttgct tcactttatc cctgcctttc tagactgaac caa 293

<210> 12788
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 12788
 ttgtggctct tatcttgtgg accataaata acacggccca ataactcttt gtgtttatgg 60
 agtgttggtt tcttagaata atggagatgc agatatagat accatagtca aggtaccgcc 120
 ttgctgaagt atttatttat aaagaatatt ctgtagaacc tctactacca gctatatatt 180
 taaatcctgt ttatttgtaa agctaatatg ctctcfaatg taattattaa aaattctcaa 240
 gtcacagcta aacttactaa ttctgatttt agtgtag 277

<210> 12789
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 12789
 ttctgccttc taccatatct ggcattttca agtcctgac cctttgaggc tctatgtggt 60
 agattaggtc ctctcagct gttaggttcc tttgtgtaca ctctaaattg aaacttttta 120
 tttactttctc tagaactgtg tgttgaaatc attttcttgc tgatgactct actcctattt 180
 tatatagttg tgtttggttt cctcccttac agtaatttta atataagaat ctagaagaag 240
 ataaacttgt gtgcttagcc acattgaact agaagtctct gttagccatg tttaaactta 300
 cttagttgta gtatagtgrt agaactggcc ccckgcttta a 341

<210> 12790
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 12790

tagcagtctg	caggggtgctt	ccccctggct	ggctggagaa	gccccatgtg	ccgagcctgg	60
tccgaggtcc	tctgagcccc	cacgtcgcc	cgctaaagttg	ctgtgccctg	accccagtgt	120
gggagggggcc	atcagagcac	atgtgccttc	tacttgggtga	gggcggcatt	atcttgggga	180
tgcaactgca	ataatcaata	aacttagaaa	tatttcggat	gaattaaactg	agaacgcagt	240
gcactcactg	gcatggccac	ctgccttcac	ctggggcgtg	cctccggccc	tggcaccgct	300
ctgccccacc	cagttggtgg	aatcata				327

<210> 12791

<211> 294

<212> DNA

<213> Homo sapiens

<400> 12791

gtgtttggag	ctggagacgg	cctgggtgct	ggcgaasgga	ggccggagtt	aatacacgag	60
gaactcatgc	aaaggagggg	actttcggaa	atccaaactt	agagtgcctt	gtatttagaa	120
tccggaagga	aaaggaaatg	aaatgtgaag	aaactcatgc	accaaactcg	aactggtaag	180
aagactgtta	gaatgccctc	ggtaacacag	aggctgagag	atcctgacat	aaatccttgt	240
ttgtcggaat	ctgatgcttc	caccagatgt	ctggatgaaa	ataactatga	caga	294

<210> 12792

<211> 161

<212> DNA

<213> Homo sapiens

<400> 12792

tgttttcacg	ttggttcttg	gcgtgggaac	tgtctcctt	tgcagcccca	tttccaagc	60
tctgttcaag	ttaaacttat	gtaagctttc	cgtggcatgc	ggggcgcgca	cccacgtccc	120
cgctgcgtaa	gactctgtat	ttggatgcca	atccacagac	c		161

<210> 12793

<211> 399

<212> DNA

<213> Homo sapiens

<400> 12793

atcttgagag	aggcagggct	ggcctgggmg	gagtgcgggg	ccgacatctg	cggaggggta	60
ggaggggaaa	ggttttttct	acccgccggc	tcggcgacca	ggctgaaact	tatgtttgaa	120
tttagtgagc	cgtttggtcg	ttagtccgga	acactagcgc	ggtaggccaa	gctgcgagga	180
ggcggcgaaa	tcagcgaata	gcaaattata	aaagaaacaa	ggctttatct	cctaggccct	240
ctaaagcatc	cccaggagat	ccgtatcccc	gttttgagaa	gaacgctgaa	gctcagaaaa	300
actcagtgga	aagcggcaga	cccaagcctc	ctcgccaagt	ctgagtgacc	gtgaagccct	360
ggtttttctt	tctttttctt	tcttkttgta	ctttttttt			399

<210> 12794

<211> 129

<212> DNA

<213> Homo sapiens

<400> 12794

tgaacattca	gataagtgga	ttttcaagta	ctgggtgggg	atgggaatcg	tgtttttctt	60
taaacttcag	tttacgagat	gctttgagag	cgtwaggcaa	aagcagaaat	aaatatcagg	120
agcaacggg						129

<210> 12795

<211> 171
 <212> DNA
 <213> Homo sapiens

<400> 12795
 tcttggttttg cgaaatccag cccctagacc aagtagattg tttgtgggta ggccagtaaa 60
 tcttagcagg tgcaaacttc attcaaagt ttggagtcatt aaatgttatg gttttttttt 120
 gttgtattaa aaaaaaaccc tgaatagtga atattgcccc tcaccctcca c 171

<210> 12796
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 12796
 acagtccctg gaggacagca ttctggagtg gccacatgag ttggaaactt ccatgccgaa 60
 gccttaagag ccagcttgca gcattcctga aagtgtagcc acctgctcca atacagcgct 120
 catcacccaa catgctrgkt tgattgaagc cacagctgaa gaccaaggca gagctgggtcc 180
 aaggaattgt gatgcmgca caaagaacat ctgctgtgaa caacctgctc maaaccacca 240
 gcatctctga ctaaattgacc ttctgaatcct ccagcamaat ctcattctcac tctgcagcca 300
 ttcamatctt caacggggcag ctctgaaaat aaagcccaag tcttcccca rgcctcggca 360
 cctccctggg atcctccctt ggccacctc 389

<210> 12797
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 12797
 gtcagtctac tgggcgctat aggaaggcgc cagcagcaga acttcctccg tcccttgcatt 60
 cctcagggcc ctcccagcag gacgactgag caaggccttg gaagaccgga gagattggag 120
 cgctacatta ttgagcaggg ggtgtgtkat ttkgttttat gtgaagctgc ctcccttaag 180
 aagttggcct ttgcctacct agaagatttg cactcagaat ttgatgaaca gcatggaaag 240
 aagggtgccc ctgtgtcccc accctattcc tttattgaat ttgatacttt cattcagaaa 300
 accaagaagc tctacattga cagtcg 326

<210> 12798
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 12798
 atatacacat tctgtcccat gtatattcta atcctcactc aaaccaccca accacctcat 60
 acctatgtac acacaccac ttcccactaa acttcctgat ggcaagagca aggactagag 120
 agggcaagga catcagggcc cgctaataa aatgtaacta tctaatagat caattccaga 180
 aagataacag g 191

<210> 12799
 <211> 49
 <212> DNA
 <213> Homo sapiens

<400> 12799
 ctcagacaga cgaacttcaa acttcggtgg ttctgaaaga aagaaaggc 49

<210> 12800
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 12800
 ccctgcctt cctctttccg tctcaggtcg ccgctgcgra gggagccgcc gccatgtctg 60
 cgcattggcag ccattccgag ggccagcgcc atcctgcgca scagaagcct gwsatggtr 120
 aagaagraan cggaccgcc ccaccaagag ctctgagcc cctgcccc agagcaataa 180
 agtcag 186

<210> 12801
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 12801
 ccctgcctt cctctttccg tctcaggtcg ccgctgcgaa gggagccgcc gccatgtctg 60
 cgcatttgca atggatggc gtgcggaact gctccagttt cctgatcaag aggaataagc 120
 agacctacag cactgagccc aataacttga agggccgcag ccgaggacta aaatttgaga 180
 gactgaatta agtcttggt taaatttggg ggaaattttg acattggaaa gatacataaa 240
 ttacacttt gcctcctctt acccagtttc aaatatacag caacgataaa gtaaaaatga 300
 gacaacaatg aagtttcta wwacagcatg catttctcag tgggccacaa atggactttg 360
 gagtgaatat ttgtaaaaat ggagaagtat t 391

<210> 12802
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 12802
 ccctgcctt cctctttccg tctcaggtcg ccgctgcgra gggagccgcc gccatgtctg 60
 cgcatttgca atggatggc gtgcggaact gctccagttt cctgatcaag aggaataagc 120
 agaaggaaac cgagatgctc 140

<210> 12803
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 12803
 ccctgcctt cctctttccg tctcaggtcg ccgctgcgaa gggagccgcc gccatgtctg 60
 cgcatttgca atggatggc gtgcggaact gctccagttt cctgatcaag aggaataagc 120
 agacctacag cactgagccc aagtgtccg cttgagggtt tttttgtaca gtttcgggtc 180
 cttgatggag agagagccca tctctttgtt cagcgacagg tcagtggaga gatttgtacc 240
 atagtccatg ctctcagagg tgcagaggct gctgcagtc gagtccctct tggaaggccc 300
 tggagcygcc tgggcagggt gctccaggt gccattggcc agcttctccc caccgaagg 360
 ctccaggcgt ctgctgttg gccggctctg gctggccttt tgagatctgt tggctgctgg 420
 gctgaggtcc ccaccctgct cagcaacttg cttctccttg gctacctgaa ttccaa 476

<210> 12804
 <211> 341
 <212> DNA

<213> Homo sapiens

<400> 12804

atgtctccgg	gtcccttatt	cacgatgcct	tgtgccgcct	ccttcccagg	agcccaataa	60
cttgaaggcc	cgcaattcct	tccgctacaa	cggactgatt	caccgcaaga	ctgtgggagt	120
ggagccggca	gccgacggca	aagggtgtcgt	ggtggtcatt	aagcggagat	ccggccagcg	180
gaagcctgcc	acctcctatg	tgcggaccac	catcaacaag	aatgctcgcg	ccacgctcag	240
cagcatcaga	cacatgatcc	gcaagaacaa	gtaccgcccc	gacctgcgca	tgcttttrecg	300
gaaaggggtg	grargmagca	ggctgtaagc	agcctggagc	a		341

<210> 12805

<211> 510

<212> DNA

<213> Homo sapiens

<400> 12805

gtaggggctg	gctagccgcc	atcttgcctc	tttttctcgc	tcgctcgctc	cccctcggaa	60
agctgcgaaa	gtgctttggc	ggtttgtcca	tccgcagctt	cggcttttcc	agtctggtgg	120
cccttccggc	caccccttta	acccagctt	tccctcccc	ttctttcgat	cagagatcgg	180
cggagaccct	cgaagtgcgc	aaacttgaca	ctcaccctga	ccggactggg	gttttaaggg	240
gtgtggcagg	aggttttgga	ctcgatgagt	ttccaccgaa	atgtcggaga	agtcaggcca	300
gagcacaaaa	gcaaaggatg	ggaaaaagta	tgcaacactc	agtttattta	atacttacia	360
ggggaaatca	ttagaaacac	agaaaaccac	agttgcagct	cgacatggat	tacagagtct	420
tggaaaagtc	ggtattttcac	ggcgtatgct	ccacctgcta	acctcccaag	tcttaaagca	480
gaaaacaaaag	gcaatgatcc	taatgtaaca				510

<210> 12806

<211> 463

<212> DNA

<213> Homo sapiens

<400> 12806

accctggcgg	ggccagcaag	tattagtaag	tgctgagtaa	ctattgggag	catgaatgga	60
ttaatgagca	aatggtcaaa	aatcatgatg	tgaccatccc	tgattccgtt	ccaccatgca	120
gcatcattga	aggaatgaac	gatgaagtat	aaatcacagc	aaggagcccc	cttctgaact	180
ttgaaagctc	ctttccatcc	tataaggaca	aaaaatgtca	aaattatcat	gtaggctgct	240
acagcaaaat	accttacagt	gggtaattta	taaacaacag	anrttatggc	tcacagttct	300
ggaggctggg	aagttcaaga	tcaagggtacc	agcggatttt	gtgtctggtg	agggctgttt	360
ctcataggtg	atgccttctg	tgtatacatg	gtggaaaggg	tgacaagctt	cctctagctt	420
cttttgtaag	ggtcttatcc	cattcgtgag	tgtacagacc	tca		463

<210> 12807

<211> 110

<212> DNA

<213> Homo sapiens

<400> 12807

ggatcgtggt	ggctgcgcgc	gaggacctg	aggtagattg	ggtggtttca	acaggaacgc	60
atccactgtc	tgagagttta	aacttgattt	tgtgagggga	cgaacagcgt		110

<210> 12808

<211> 212

<212> DNA

<213> Homo sapiens

<400> 12808

gtcactggga	acaaaggctc	tggaaagtcg	acagcaacgg	atacggagac	gtgaaggtta	60
ccctggacgg	gcctttctgt	gcacgcacc	ccagactacc	ccctttgctc	actcaattcc	120
tcctctccag	gctaaacttg	ctctctgccg	tcaatgtcca	ttctttccct	ggtaacctct	180
cgccacgctc	ccgcagagcc	cacgctcttc	cc			212

<210> 12809

<211> 489

<212> DNA

<213> Homo sapiens

<400> 12809

gaattcataa	gtctgtgcct	gcggcactgc	gtagacgcgg	ggagttcggg	atcagttttac	60
acgttgccct	cagtaaaatc	cgccagaggt	ccacccattt	tgccctttcc	ccttccttgc	120
cctgggagaa	atcctccctt	cactgggaga	gaactttctt	cccagggcgg	tgcgacccgg	180
agctccagcg	scggrgtctc	cacttckttt	gctgaaactt	gctttctacc	agctaagaac	240
catgctgcga	gtgattgtgg	aatctgccag	caatatccct	aaaacgaaat	ttggcarscg	300
gacccatttg	tttctgtcnt	ttttaaggct	gctgacwctg	gaacaatcct	gtgcctcctg	360
agggcagaga	ggatccatgg	tcccaggctt	ggcctcaaga	tgagaaaaag	amaacaaaga	420
aagttgatra	tgaattgaac	cctgtctgga	atgagatttt	grartytgac	ttgaggggta	480
taccactgg						489

<210> 12810

<211> 65

<212> DNA

<213> Homo sapiens

<400> 12810

tatagacatg	aataaaacttg	tggttagaaa	ctttaggtga	cctgtcaaag	gtcacctaaa	60
gktkc						65

<210> 12811

<211> 299

<212> DNA

<213> Homo sapiens

<400> 12811

catttcttac	aaacttggtta	caaaccagtc	attgtagggc	taagaaatct	gggataaagt	60
taaattaaaa	attttgtatt	ttccaaaatt	ctgcagaaaa	cttaaagaca	ttttcttaca	120
tcacagctta	gaggccaatt	tcccctttta	tatcttgtck	aataactctc	cattattaga	180
aagtgcagaa	aaaatgcttt	tgatggcttt	cgggcagtgt	tgtgtaatac	tttattaagt	240
gccatctgcc	tttgctttat	taatrtttta	ttaagggcca	tctggttggt	gcwaccgat	299

<210> 12812

<211> 157

<212> DNA

<213> Homo sapiens

<400> 12812

tgagtcagga	aatctggggt	ggatgtgaac	tcccacttta	gcattatggg	atgttaggtg	60
agttatttaa	cccatctctg	ctttataccc	ttatctaata	agaaaataat	aatttatcag	120
cnttagaaac	ttgttaccat	taattcttaa	atgtgtc			157

<210> 12813
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 12813
 aaagtaaagc ggaggcagcg ggggaagatg gcggcgggccg ttccacagcg ggcgtggacc 60
 gtggagcagc tgcgcagtga gcagctgccc aagaaggaca ttatcaagtt tctgcaggaa 120
 cacggttcag attcgctat aaccatcttt ttgaaactaa gcgttttaag ggtactgaaa 180
 gtataagtaa agtgtctgag caagtaaaaa atgtgaagct taatgaagat aaacccaaag 240
 aaaccaagtc tgaagagacc ctggatgagg gtccaccaa atatactaaa tctgttmtga 300
 aaaagggaga taaaccaact ttcccaaaaa gggagatggt gttcactgct ggtatacagg 360
 racactacaa gatgg 375

<210> 12814
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 12814
 gacaaacttt ataatattat ctcttgactc cactatctca ctcttaatcc agactagagc 60
 tgccacact ttcaaggtat catcaaagac tcttatctca gaataa 106

<210> 12815
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 12815
 taagatatgt aattcgtaga gagacataat agaaacttta tcttttgggc cagtaggagg 60
 aagtgtcttt ttactttccc tctagccac actactagtc tagcctcaca gtcctta 117

<210> 12816
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 12816
 aaatacaaaa attgttttagc tctgtttttc ataatagaaa tagaaaaggt aaaattgctt 60
 ttcttctgaa aagaacaagt attgttcac caagaagggt ttttgtgact gaatcagcag 120
 tgccctgcnc agtcatagct gtgcttcaaa aacctcagca tgattagtgt tggagcaaaa 180
 caaggaagca aagcaaatac tgtttttgaa attctatctg ttgcttgaaac tattttgtaa 240
 taattaaact ttgatgttga gaaatcacia ctttattgta cacttcattg caacttgaaa 300
 ttcatggtct taaagtgaga tttgaatttc tattgagcgc 340

<210> 12817
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 12817
 aatcgagggg agagagagtt acttgatggg cctacagggtg aacttgatgac tggatcactt 60
 taatcaggat gttttaatca ggataactat taaactttgg acttccagta agctcagaga 120
 cttctagagt tagaaaattc cctgctgtaa ctggtttgta tggttttccc catccatggt 180

ggtaggtcag aaatggaatt tgtgtaactg ttagtattac agatatttat gttgttgtgt 240
gcagtactta aattttaaag aaaaaggaag ttgattgatt gtccttaatg aaaattagaa 300
taaggaagtg 310

<210> 12818
<211> 198
<212> DNA
<213> Homo sapiens

<400> 12818
cagctactag aggacgcccg ttccaatggc ractctgcc aaggcgcctat gagagcctct 60
tggcttttac ctggtctgcg agaaatcaaa ctttgggcac aagtcatgaa gccgaccaag 120
cccgggagac acagtgtcag aattacaagg tgagatcagc cgcccggcca agctatcttc 180
tcgctagcag gtcccgcgca 198

<210> 12819
<211> 142
<212> DNA
<213> Homo sapiens

<400> 12819
agtttgctcc aaactttgtt tatgggacag tccgggagct gctgcggccg cgctgtctgc 60
ttctcctgcg cctccttttc gccagcact agcgccttag gccagywcgg gggatgtgag 120
agccgaagcc cttagactgc ca 142

<210> 12820
<211> 125
<212> DNA
<213> Homo sapiens

<400> 12820
agaggggtata ggccgcgaga tggggaagat ggcagcggcc gtgggctctk tggcgactct 60
ggcgactgag cccggggagg acgcctttcg gaaacttttc cgcttctacc gtcagagccg 120
gcccc 125

<210> 12821
<211> 362
<212> DNA
<213> Homo sapiens

<400> 12821
tctttgcgtc tgcgtagttc gctcacctcc ctttctaact ccgctgccgc catggctcct 60
gtgaaaaagc ttgtggtgaa ggggggcaaa aaaaagaagc aagttctgaa gttcactctt 120
gattgcaccc accctgtaga agatggaatc atggatgctg ccaattttgt atttgaaata 180
tctcaccaaa aaatatattga agaagaataa tctacgtgac tggttgcgcg tagttgctaa 240
cagcaaagag agttacgaat tacgttactt ccagattaac caggacgaag aagaggagga 300
agacgaggat taaatttcat ttatctggaa aattttgtat gagttcttga ataaaacttg 360
gg 362

<210> 12822
<211> 213
<212> DNA
<213> Homo sapiens

<400> 12822

atgacattca	gtggccttgt	gcaaatacga	tatgttgctt	aggcatatct	tttgtcctat	60
gcagaacctt	tcattttgat	ttttatgaaa	gttgcaattc	atgtaattta	tataaacttt	120
ttaaatgtag	aaacttttta	cttccacact	cagtttttga	gaccctagaa	taaaaggctt	180
caatactctg	cattccatgc	cctctgccac	ctg			213

<210> 12823

<211> 244

<212> DNA

<213> Homo sapiens

<400> 12823

tcgttacact	tgaaggactt	aggatgctat	acctgaaggt	cttagagagt	tagactggtc	60
ctccaagctt	atgaattttc	tagaaacttt	ttaacttgca	tatggtattc	tcctgaagaa	120
gctgtggcta	aagtcagata	tatttttata	aactattcct	tgatcatgta	tgagtgccaa	180
aaaaaggagt	ctttaattac	cttgaggagg	gggtctgtgc	atctttctta	acccttttcc	240
tggc						244

<210> 12824

<211> 270

<212> DNA

<213> Homo sapiens

<400> 12824

taatcgctaa	tccttagac	aatgttttcc	caaaatttca	ggsrgctatt	ctatcaacaa	60
actgataatt	aracttggt	cacatctttg	atattctggt	gtatknatty	tgtggggtag	120
tctttaatct	tcgtgaaact	ttttctttcc	atattaggaa	atattttcct	aatatctcta	180
aagcctaact	tgtccatctg	acttactgtc	tgaatcttcc	caacttatgc	atgccactt	240
ttattgttta	aatttgtttc	tttttttttt				270

<210> 12825

<211> 333

<212> DNA

<213> Homo sapiens

<400> 12825

tcagtccttt	ctagtgtcag	ttgcctacag	aggcctctgt	tgcacttttt	actccacgat	60
tgaacttttt	ttagaattta	ctgatcccat	gtagcatctt	ggatattaga	ctctgtttta	120
rgcamtasar	gaatacttac	agaaagcatg	aagctgtgat	tttgaaccac	tgctcatggt	180
tgggcctgaa	gtagaggaa	tggttatgag	cgcacttatt	cagagcggta	gcctcagcac	240
cagcactctt	acagggtgcac	catgatactt	ttaatcagtg	ggcaatattt	gtcaagggtcc	300
cactgtgccca	tagccttgct	tagtgctgta	ggt			333

<210> 12826

<211> 131

<212> DNA

<213> Homo sapiens

<400> 12826

aaggaggaaa	ggcagagagc	aataagggtct	ataaattaag	acatccaaac	ttttttgtgg	60
tgaagtttg	ttgtgtttat	gggaatcagc	atatacgagg	attaagttag	ggaaagaaac	120
ttgtgatggc	a					131

<210> 12827

<211> 478
 <212> DNA
 <213> Homo sapiens

<400> 12827
 agtcagttgg cagcggcaag cgcgctgcgg ttccgggtggc gccatgtcgt tctgcagctt 60
 cttcgggggc gaggttttcc agaatacactt tgaacctggc gtttacgtgt gtgccaagtg 120
 tkgctatgag ctgtttctcca gccgctcgaa gtatgcacac tcgtctccat ggccggcggt 180
 caccgagacc attcacgccg acagcgtggc caagcgtccg gagcacaata gatctgaagc 240
 cttgaagggtg tcctgtggca agtgtggcaa tgggttgggc cacgagttcc tgaacgacgg 300
 ccccaagccg gggcagtcct gattctgaat attcagcagc tcgctgaagt ttgtccctaa 360
 aggcaaagaa acttctgcct cncaggggtca ctaggcgggc agccasacm accccagacg 420
 gccaccacac tgaggccaca cgttggccat tccaccttgg agttggaacc tgggcgctc 478

<210> 12828
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 12828
 tcaggatggc attgagctac aggcaggaga tgagggtggag ttctcagtga ttcttaataca 60
 ggcactggc aagtgcagcg cctgtaatatgt ttggcgagtc tgtgagggcc ccaaggctgt 120
 tgcagctcct cgacctgacg ggttgggtcaa tcgcttgaag aatatcactc tggatgatgc 180
 cagtgtcct cgcctaattg ttcttcgtca gccaaagggga ccagataact caatgggggtt 240
 tgggtgcagaa agaaagatcc gtcaagctgg tgtcattgga mntanccaca tccacaaagc 300
 acaccattaa tcca 314

<210> 12829
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 12829
 tttaattcat tggtttctag tatattcaca aagttgtgca accatcattc cacaatttca 60
 tcatcttcca aagaaagccc gtccctgtta gctgtcatgc ctcttctctc ttctccagt 120
 acctggcaac caccaatgtg cttnkctgnt acacagattt gcctatctgg acatttcaca 180
 taaactcgt 189

<210> 12830
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 12830
 cwgcacataac aattcactgg actgaggagc ttgctttata gcaaagaaag tacgagagtg 60
 ggacacataac cataggacct actagtccca ctatgtactg catctccaga agcttttagc 120
 c 121

<210> 12831
 <211> 565
 <212> DNA
 <213> Homo sapiens

<400> 12831

gaggacctga	acaagtccag	aagggaagag	atttgtccct	ctatccaaca	gagtacccag	60
tgagcagcac	agagggcaca	gcaagggaca	tcacccggtt	ccccaaatgc	tcagagccac	120
aagtgaagcc	aaaagtga	gacaagatgc	agaaaaccgc	cacgggcctt	tgagggaaggg	180
taaaggcgaa	agcgaaagca	ggaagtacag	acgtgaagcc	tagcagagga	cttttttagct	240
gctcactggc	cccgtttgtc	tggccgactc	atccgcccgc	gaccccta	cccctctgcc	300
tgccccaaga	tgctgaagcc	agccctggag	ccccgagggg	gcttctcctt	cgagaactgc	360
caaagaaatg	catcattgga	acgcgtcctc	mcggggctca	aggtccctca	cgcacgcaag	420
accgggacca	ccatcgcggg	cctgggtgtt	caagacgggg	tcattctggg	cgccgatacg	480
cgagccacta	acgattcggg	cgtggcggac	aagagctgcg	agaagatcca	cttcacgcgc	540
cccaaaatct	agtgaagctc	ccgag				565

<210> 12832

<211> 217

<212> DNA

<213> Homo sapiens

<400> 12832

aggctggaga	ggatttgatt	agactacgcg	tttcgacttg	caggggtgtt	aatcgtcgcc	60
aagcgggact	tactgcaagc	tatcaaactc	gaggtcttat	tttgttgagt	cgaaagtga	120
attttccttt	ggccaacgtg	acagcatttg	acattgtgca	gcaaagaaat	ggttatggag	180
aagcccagtc	cgctgcttgt	agggcgggag	tttgtga			217

<210> 12833

<211> 147

<212> DNA

<213> Homo sapiens

<400> 12833

tttatatata	atataattca	cttagtttac	aattgtatag	actttgataa	acatattttt	60
gataaatgta	ggactgtgtg	gccaccacaa	atatcaatca	taaagaacag	tttctctccc	120
tctccaaatt	ttcctgcgcc	cattccc				147

<210> 12834

<211> 271

<212> DNA

<213> Homo sapiens

<400> 12834

tgaaagaacc	agataaattt	ctaattatat	tagagattaa	tgaggcatcc	ttgtgccaac	60
tcataatttca	ttgttgacat	cctacagatg	agctactcct	gagactaaat	gaaaacagtc	120
tagatgtcag	atgctccagg	gtgcttgaac	agagcattaa	agtttaaatt	gtataatgaa	180
tgataaagca	atgtagaaaa	tgtgggttgt	taaaactggt	catatgtggc	caggcatggt	240
ggttcatgcc	tgtaatccca	ccacttagag	a			271

<210> 12835

<211> 259

<212> DNA

<213> Homo sapiens

<400> 12835

agtcgtgtgt	tgggacgctg	ggtgtgcggg	gttctgtctc	cgctcccgtt	tcgctgtcac	60
agcccgttcc	ttcccgagc	ccgggacagg	ctgggcgcgc	gcccggtgta	gtgagcggga	120
ctcagggcag	aagtnntccc	ctcactgcgt	ttttttttcc	ttttatccaa	agaacggggc	180
agtttagtacg	cttgcccttcc	tgtcgcccgg	ttgggagcgg	ggttgggtgtg	cggagtgggt	240

cgccctttttt tcttttagaa

259

<210> 12836

<211> 343

<212> DNA

<213> Homo sapiens

<400> 12836

attgctgaat	actattgacg	tttgccaagt	cttctttgat	attactgtaa	actttgattt	60
aacaaagaac	tacttagatt	taattataac	ctatacaaca	ctaatagatac	tgctgtctcg	120
aattgaagaa	aggaaggyaa	tcattggatt	atacaactat	gcccataaaa	tgactcatgg	180
agcaagtgc	agagaatacc	cacgccttgg	ccagatgatt	gtggattatg	aaaacccttt	240
aaagaagatg	atggaagaat	ttgtaccca	tagcaaggta	akaggcagtt	gttaggcata	300
tgagagaatg	ggcatataac	atagcatgag	gatggatggg	tgg		343

<210> 12837

<211> 345

<212> DNA

<213> Homo sapiens

<400> 12837

aattttacgt	ggtgctgcat	ttccggtagc	ggcggcgagg	aatcggctgt	gggagagagg	60
ctaggcctct	gaggaggcga	atccggcgagg	tatcagagcc	atcagaaccg	ccaccatgac	120
ggtgggcaag	agcagcaaga	tgctgcagca	tattgattac	aggatgaggt	gcacccctgca	180
ggacggcccg	atcttcattg	gcaccttcaa	ggcttttgac	aagcacatga	atttgatcct	240
ctgtgactgt	gatgagttca	gaaagatcaa	gtgaggagt	gactgtgggg	ggcggagact	300
ggaggatggg	aatggattga	gtgggtgggc	caagcaatag	aggtg		345

<210> 12838

<211> 287

<212> DNA

<213> Homo sapiens

<400> 12838

aattttacgt	ggtgctgcat	ttccggtagc	ggcggcgagg	aatcggctgt	gggagagagg	60
ctaggcctct	gaggaggcga	atccggcgagg	tatcagagcc	atcagaaccg	ccaccatgac	120
ggtgggcaag	agcagcaaga	tgctgcagca	tattgattac	aggatgaggt	gcacccctgca	180
gggaaggaga	attacttgaa	cccgggaagc	agaagttgca	gtgagccgag	atcacaccat	240
tgactccag	cctgggcaac	aggagtga	ctccgtctca	aaaaaaa		287

<210> 12839

<211> 364

<212> DNA

<213> Homo sapiens

<400> 12839

caagaagttc	tttagagaca	aggagaataa	tatagggttag	aaactaagat	ctacataaag	60
aaaggaggat	aatcagaaaa	ggaataaggg	aaggtaaaat	caaaatgtat	ttttctttat	120
ttttaagatg	ctgcccaggc	tggagtgc	tggtgtgatc	ttggccact	gcagcctctg	180
actcctgggt	tcaagtgatt	ctcttgctc	agccagttgg	ctggaatgca	tcgaaggagg	240
gcacaacccc	ctcccaaaac	aatgccttct	tcaacagcag	ctcttgtagc	attaagggca	300
tctgtaactc	tgcttttcat	taaatgtaac	cttttgccaa	attaaagaac	tccatgccac	360
tcct						364

<210> 12840
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 12840
 tacattaataa aagagttttt agaacaaata tggcatttaa ctttattatt tatttgcttt 60
 taagaaatat tctttgtgga attgttgaat aaactataaa atattatttt gtattgcagc 120
 tttaaagtgg cacactccat aataatctac ttactagaaa tagtgggtgct accacaaaaa 180
 atgttaacca tcagtaccat tgtttgggag aaagaaacag atcaagaatg catattattc 240
 agtg 244

<210> 12841
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 12841
 ttttttccgc gggccccgcc caggcggctg cccgtgacct gcctggggcg ggggaactga 60
 aagccggaag gggcaagacg gggttcagttc gtcattgggc tggttggaag gaccaggag 120
 aagccgcca aaagaactgg tcaatgagtg gtcattgaag ataacaatgg aaaaggaaga 180
 acaaggtctt gaagggacag cattgccagc tgctgctgag tcacagattt cattataaat 240
 agcc 244

<210> 12842
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 12842
 attctgtcta aagaactggt ccagccatac cagctccttc actaccaccg agcgcaccca 60
 ctctctggac aatcaccacc tccaaggctg tcaactgtac atcaccacac cctgtctccc 120
 aggggtgagtg cttatttcac aggggtttctt gttagaatga tgctttccca gtgaactctc 180
 aggttccatt cattagcagt 200

<210> 12843
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 12843
 aagtgtcag acattaagcc gttgagtaga ggcattgttt gcaatctctc gtttagctac 60
 caattggagc agtttaacgt gcttgagtc ccggcgtgat gtgttcattg acgaagttgc 120
 cgakggatgt tgcaggtgt tgcacctgga gggccagat ggatcaatga ggcattttaa 180
 gtgtagaatc tcacctgaa cccagactat tcaggctcgt tttcttagga aagttatttc 240
 ttttctactt ttagattcaa gtgctcattt tcttcttcaa atttagagca cttcagtatg 300
 aacaatattt cttttgttaa aaaatatttc ttggaaacaa cttattgaag tttctcaga 360
 gtggccaaag ccgatgataa ttttattcca gataaagaac tgggtgacag tggctgtaca 420
 ttcagcacag ctgtggtgtc cccaagtgcc atgaccagg agccattc 468

<210> 12844
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 12844

atttgtgaat	acttcttctg	ggaagtcctt	cacccagaga	ccagtgtctc	caacggcaga	60
gcagcggggg	agataaagaa	ctgggtgacac	gtggctgtac	attcagcaca	gctgtgggtg	120
ccccaagtgc	catgaccag	gagccattca	gagaggagct	ggcctatgac	cggatgcccc	180
cgctggagcg	gggccggcaa	gaccccgcca	gctatgcccc	agacgcgaas	cgagcgacct	240
gcagctgtcg	aagagactgc	ccccctgctt	cagccacaag	acgtgggtct	tctctgtgct	300
gatggggagc	tgctctctgg	tgacctcggg	gttttcgctg	tasctgggga	acgtgttccc	360
ggctgagatg	gattacttgc	gctgtgctgc	argctcttgc	atccccctcg	caat	414

<210> 12845

<211> 256

<212> DNA

<213> Homo sapiens

<400> 12845

caggattaga	ggttagccag	atgaaatcaa	gagaggagag	aggagcccc	acaaaggcac	60
tgacccaggg	caataacagg	gggaaagaac	ttggaggtag	agaggcagac	ntgggtgttc	120
ccaggggtgtg	ggacattggg	ggtagtaagg	ctggaatggg	tagaggaaag	ggctaggggtg	180
acaccacggg	gtattaggtg	gaactgaggg	aaacagaaat	aggagcagag	aaaagggaat	240
gagaacggga	aagaga					256

<210> 12846

<211> 130

<212> DNA

<213> Homo sapiens

<400> 12846

agcacagcct	ttaaggttcc	aaacatctgc	tagaagagga	atgcagattt	aaactgagtg	60
aggtgtggag	tgggggaagt	tgattgggtc	tagaccaaag	aactttgagg	aacttgcccc	120
gagcctccct						130

<210> 12847

<211> 357

<212> DNA

<213> Homo sapiens

<400> 12847

gtgttatagc	agaagaagca	gaagaaggag	caagaaagag	gaaaagaaga	ggattattta	60
ttcgacctac	tttggatgtc	tctctcgctt	ttcctttttc	cttttttttg	caattatttt	120
cttctgattt	ttattttttc	tatttcgctg	tgatttcgct	gccggcgtga	attatcccgt	180
atttttctcc	cccttcgctc	acctcccgaa	agaagaaggc	agcgagagcc	cggcgccacc	240
ggcacaacaa	aaagagcaaa	gtgtgtgata	ttcctcgccg	gctgcctccc	gctctccagc	300
gctgccttcc	tgaatggctg	gctgcgtccg	gccctggacc	tggccccccg	acacccg	357

<210> 12848

<211> 583

<212> DNA

<213> Homo sapiens

<400> 12848

tctgtgattg	tgctatgca	tgatgaatga	atgcatttca	atcatacatt	gcctaaatca	60
taacttgatg	atgcttggga	agaatcaac	agtttaraac	ttcatgaagt	tctaattgtct	120
gtgttccaaa	acacatcaca	ttattagggt	gtagggagat	atgtaggtgt	gctccctggg	180

[illegible]

<210> 12852

<211> 290
 <212> DNA
 <213> Homo sapiens

<400> 12852
 agagttggtg tttgtgggtt atttgtgaag ccggaagaa gccgtgtcct ggagaatgta 60
 gctgaaggcc tggccacttt cgacaagaac gggaaagaga cgactaactt gtactaatat 120
 cttagtgtt ggcagggcat tttttcattc caggaaagaa gagaatccag ctgagatcaa 180
 gggagggacg tccgacggag gcgccatctt taacaagggc tatttgggag gccatcttgg 240
 cgcagggcgt ctttttgaaa ggttacctgc tagagattac gacctatcgg 290

<210> 12853
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 12853
 accagagaag tcagactccg ggagtgtttt aacagtttga aggctaattc gaaagaggaa 60
 gaagaatctg tataatctgta tatattggct agcaaagtgt ccctgctctc tcccctctta 120
 aaaatnagca ggcaacccat ctttgcaaag aagcttgctt atagagcagg cactctgtga 180
 atggactgtg cttttacgac cctacagggg atcaagatac tgtgcagctc gccaaacaagg 240
 attaattgca aggactggta gatcgaattt actgaagact tggagcttgc ttctgagaac 300
 aaacgcaaaa ggacagtaaa ctgtggacct tgaagttagc agcgtg 346

<210> 12854
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 12854
 agctgcctgg gcgggctggg aggcgcgggt tgaaaagtct cgttccaagt ttggagagag 60
 agagaagagc gcctcagacc tcggtacccg cgagcgggga ggaggcagga aagaaggacg 120
 cggcgtctgg ggagcaccga ggcagcaaga cggggcccg gctttcgaca gtggggagtg 180
 tgacgcgctt gggaaaggca ggagcgccag grtcgggctg ctcttggtta acgagaggag 240
 tccgaggcgg cggcgagggg cgaacgaccc gacgcaagat ggcgaggtaa agagatgttt 300
 gaagatactg tggrrgagcg argccccctt cccactcast cctaaagagt tatgacatag 360
 ttctaccttt cccastcact cctaagagtt atganmtagt tctaccttcc ttattgactc 420
 ctaagrtrta cactttacta atg 443

<210> 12855
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 12855
 ctttggctgc gagcggggcga gctagctgca cattgcaaag aaggctctta ggagccaggc 60
 gactggggag cggcttcagc actgcagcca cgmccsgcct ggtaggctg cacgcggaga 120
 gaacctctg ttttccccca ctctctctcc acctctctct gccttccccca mcccagagtgc 180
 grnccagaga tcaaaaagatg aaaaggcagt cagggtcttca gtagccaaaa aacaaaaaaa 240
 acaaaaaaaa aaaagccgaa ataaaagaaa aagataataa ctcagttctt atttgcacct 300
 acttcagtgg aactgaatt tgggaagggtg aggattttgt ttttttcttt taagatct 358

<210> 12856
 <211> 374

<212> DNA
<213> Homo sapiens

<400> 12856
tgtacaaaga actctcaaac cggatagtaa gaaaacaaac agcccaagtg aaaagcaggc 60
aaaagacttg aatagacact tcaccaaaga gcatacacgc gtggcaaaca agcacacgaa 120
aagacgttca gccgccgatg gcttggttat aatttataac ttacttattt ttatctaata 180
attgtagatt cagtgtattt cttcaaaaaa tgtttaatta aatgcatgtt aatggtgagt 240
gaatcccttg ggtgacttcg tgtttaggtc gtattagggc atttgttgga tcaacggatc 300
atTTtaaccc tgacttcccc ttattcccat aaaagaagtt ttccagtga atggagattt 360
cattttgtca gcag 374

<210> 12857
<211> 219
<212> DNA
<213> Homo sapiens

<400> 12857
gttcccgga gttttgctgc tagtcgcgga cgcaatggct tcaaggttac ttcgcggast 60
ggaacgctgg ccgcgcaggc cctgagggct cgcgccccca gtggcgcggc cgcgatgcgc 120
tccatggcat ctggaggtgg tgttccact gatkaagagc aggcgactgg gttggagagg 180
gagatcatgc tggtctctct tcatcagtrg gaacaccac 219

<210> 12858
<211> 113
<212> DNA
<213> Homo sapiens

<400> 12858
actaggcttg tatgctgatg taaagaaggg agttcaggct gcagctccct ggtactgagt 60
catgaagggc ttccctcaga ttggaccagg aaagtctggt cccagactg ggg 113

<210> 12859
<211> 112
<212> DNA
<213> Homo sapiens

<400> 12859
tttttcagtt gcacggggcga gctccggggc ggctgcggas ganctccccg ccgccaagtg 60
ggcgggtggc tgtcgggaaa gaagggtctg ggccctgccgt tcttctctcc ga 112

<210> 12860
<211> 312
<212> DNA
<213> Homo sapiens

<400> 12860
agaggactcc cagcggctgg agcagaagtg ttagcggcca gagctcccag acccctaccc 60
acagccaggc gggacgcgca cagtccctcc acgcggaaag aagtacctc gccggtcacc 120
ggctcctgca gggtgcaaat atatacagag cttcataatc agcccaagac cacatagagc 180
aaacatgaat gatatttccc aaaaggctga gattctgctt tcttcatcta aacctgtccc 240
aaaaacctat gtacaaaaac ttggcaaggg tgatgtaaag gataagttg aagccatgca 300
gagagccagg ga 312

<210> 12861
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 12861
 atccacagaa atttccaagc caatgggtttc ttttgggttt tggtttttat gtttgttttt 60
 tgggggtttg aaaaacatgc atttttaccg tgcacgtaaa ttggtcagca gaaaagggag 120
 cccagaaaag gcagcagatg gaccagccct tgctgggttt tccttttctt tgggactgtg 180
 aggggaaatg gtttttagag gtgaggggtg gtccatgtgg aggaaagaag tgtctctgtt 240
 gggggacaga ggaacctggg gagtccatcg catgtcctac aatctgctct tagacacggc 300
 cttgccagga gaggctgccc tcagactgca ggaccagaac cctgcctcca tctttccaag 360
 caccggggcg aaaaaccaca aaggaaagg 389

<210> 12862
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 12862
 gactcgttcc cgggaaccga acctggaatc cccggcggca gtggggctgt tgctgttgct 60
 gtggctgtcg ctgcccgtca ggctgccttc ttttgtcggt tcccagcgct gcgcaggact 120
 tctcctggcg gcgctgcgga tccagggggg cggctgccag gtacaggact tgcaattgtg 180
 accaaatata ttacaaaggg ctggaaagaa gttcatgaat tgtataaaga aaaagcactc 240
 tctgtggaga ctgaaaaatt attaaagtat ctggaggctg tagagaaagt gaagcgcaca 300
 agagatgagc tagaagtcac tcactaata 330

<210> 12863
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 12863
 gactcgttcc cgggaaccga acctggaatc cccggcggca gtggggctgt tgctgttgct 60
 gtggctgtcg ctgcccgtca ggctgccttc ttttgtcggt tcccagcgct gcgcaggact 120
 tctcctggcg gcgctgcgga tccagggggg cggctgccag gtacagggtt cctaaagaca 180
 aaaaaaatg gaggaatctg taaaccaa atgcagccactg aatgagaagc agatagccaa 240
 ttctcaggat ggatatgtat ggcaagtcac tgacatgaat cgactacacc ggttcttatg 300
 tttcggttct gaagggtggga ctyattatat caaagaacag aagttggg 348

<210> 12864
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 12864
 caatttgat tttattgtaa ttggttgta ctgttgtagc gtgtctagaa ttaaagaata 60
 catgtaaact ttcattgtat ttagcctttc ttaaattttt ttaaaattta aaytttctaa 120
 cctatgtatt caacttctgt atttatattt aatcagtggg tcatgttata taatacacc 180
 ttaactagtt aaatggaatg ttggtatggg acagagtacc atattgctaa gaaaactgtc 240
 ttataaaaaga tgtatatgtg tgaagacatg aaagttaaat gtacagaatg gtt 293

<210> 12865
 <211> 149

<212> DNA

<213> Homo sapiens

<400> 12865

ttttttcggc	cgcggcgcgt	gactgggctt	ggtggagttt	caagatgctg	atgaacttaa	60
ggtctggcgc	ttgaaagaat	cagtgaagct	tttcaagtag	aggaggtata	tttgaatatg	120
taacctttag	tatctacaga	atagagggt				149

<210> 12866

<211> 475

<212> DNA

<213> Homo sapiens

<400> 12866

aggaccggcg	ccttctcctt	gcttctgggg	gtcgtggcct	tgctcccgt	gtgcggaaaa	60
gaatccaggc	ccttccacgc	gcgtgtgggt	gcggggggccc	cgaagtgtc	gtggttcccc	120
gctaggtctc	cgctggggca	ggaaccggaa	tcatgggtgg	gaccaccagc	acccgccggg	180
tcaccttga	ggcggacgag	aatgagaaca	tcaccgtggt	gaagggcatc	cgggcgctc	240
ctctgtgacc	tgctgcgccg	aagttttgga	ttaggcccag	ttgcttcagg	actagtgtct	300
gccagtctga	taggggctga	gatgggtttg	cagtttttca	taccagtaga	agtaatgtag	360
tcatttctga	ccaacgttnt	tagagcactt	tttttttaat	gccctttgca	tgcaactgat	420
acataaactg	aaaacctggt	ttttctctag	ggtgtcagta	taccagcact	aactt	475

<210> 12867

<211> 208

<212> DNA

<213> Homo sapiens

<400> 12867

gactccggga	kyaatccgga	aggccattgg	gagaagccga	gggcagctta	gccacggccg	60
gttcccgttc	cctccaggac	gcgagggtcg	ccttgggtgg	ggaacccgcg	accgggagag	120
gacctatccc	ggtgtggggc	ttcccgat	cgaaagaatc	tcgctgcacc	cccgccccaga	180
gttcagacca	agcgaaaagt	tatttgag				208

<210> 12868

<211> 149

<212> DNA

<213> Homo sapiens

<400> 12868

catgggacca	cagtagacca	ttgtaaagaa	tctggctctt	gctctgaggg	aaattggaac	60
cactgcaggg	ttttgagaag	acaaaatgct	tgatatgact	tacatwaaga	aggacctttc	120
tggaaktgt	ttgragaata	gattgtggg				149

<210> 12869

<211> 193

<212> DNA

<213> Homo sapiens

<400> 12869

tgttctat	taaagaatct	ttcatttata	ttggttattg	tagtgaagag	aatgtgatag	60
gctgatctgt	aatggtttct	gtcaggagct	tagcaaatgc	ctctgccct	cttcccctac	120
ccctgtcctt	cctcagttcc	cagctgggat	tgctatgcac	tgggcagacc	cgctcactgtc	180
ttccctgaac	ccc					193

<210> 12870
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 12870
 ggattttgaa caccttactt ctgattcagt caccgctgcc aactccagag ccttgacat 60
 gtcacttggt gcagtttctt aaagaatgaa gaggttgatg cgaaagggcc ttcctttcca 120
 gttctcacat cctacacatc tgtgatttga ctgggtgttc tttcttctca gccagttccc 180
 ttgatgtta gttagatcat cacacaaa 208

<210> 12871
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 12871
 tgtataaatc tgctatttgc ctggagtaaa gacttatttt tggttaagatg gagtatagt 60
 gcttcagggtg atgcctacaa gagatgagat ccaggcaagt gagtgaaggga acagaagtag 120
 ttgtatttct agggaaagaa tgaatggtat ggacctgaca aaggacaggc gaacaaggcc 180
 tctcaggcct ggggtgtagac aagtaagaaa atccaagg 218

<210> 12872
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 12872
 aatcaaaaaa cttattcttc camagagaga ttgttattat tcctcacgat gacccgacag 60
 tctctgcttt ctttttcctt tcttccagaa ggagatttaa ccatagtaga aagaatggag 120
 aactattaac tgcctttctt ctgtgggctg tgattttcag a 161

<210> 12873
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 12873
 atgcgtgcag caaagaatgg aggagtcgga acccgaacgg aagcgggctc gcaccgacga 60
 ggtncctgcc ggaggaagcc gctccgaggg ggaagatgag gacgacgagg actacgtgcc 120
 ctatgtgccg ttacggcagc gcsgcagcta ctgctccaga agctgctgca gcgaagacgc 180
 aagggaagctg cggaggaaga gcagcaggac agcggtagtg aaccccgagg agatgaggac 240
 gacatccccg taggcccctca gtccaacgtc agcctcctgg atcagcacca gcacctaaa 300
 gagaaggctg aagcgcgcaa agagtctgcc aaggagaagc agctgaagga agaagagaag 360
 atcctggaga gtgttgccga gggccgagca ttgatgtcag tgaaggagat ggctaagggc 420
 attacgtatg atgaccccat caaaaccagc tggactccac cccgttat 468

<210> 12874
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 12874

atgcgtgcag	canaagaatg	gaggagtcgg	aacccgaacg	gaagcgggct	cgcaccgacg	60
aggtcctgcc	ggaggaagcc	gctccgaggc	ggaagatgag	gacgacgagg	actacgtgcc	120
ctatgtgccg	ttacggcagc	gcggcagcta	ctgctccaga	agctgctgca	gcgaagacgc	180
aagggagctg	cggaggaaga	gcagcaggac	agcggtagtg	aaccccgggg	agatgaggac	240
gacatcccg	taggcctca	gtccaacgtc	agcctcctgg	atcagcacca	gcaccttaaa	300
gagaaggctg	aagcgcgcac	ctttcaacaa	tgtataaaaa	cagttacaca	ctacagcsaa	360
tagagattta	ttctaggtat	gcaaagttgg	ttcaagtttc	agaaatcaat	gtaatcacat	420
caattagcta	aagaaaaatg	tgaatatatc	aataagtgc	gaaacacatt	tgac	474

<210> 12875

<211> 441

<212> DNA

<213> Homo sapiens

<400> 12875

caatgttttt	attcttttac	aagacctgca	ttttatttga	attacccgaa	tagcaatatg	60
taaaatacaa	gtgacaaaat	gtgatgagag	cttcttgaac	cggtaaacta	gtacaggtct	120
gagaaagaca	tattagaaga	aatcattata	cttccttgaa	ttatatatat	tttcatgttt	180
ctctaatagc	aagaatgttt	catcaaagt	atattttctg	ttgcttactg	tttgctctga	240
gaagaagctg	ctgttttcaa	agatggacct	ctgagtagct	aattgattca	agtagttttt	300
ttatgttgac	acattattac	tgctgttagc	agtcgttttc	accaggtact	tacagagcag	360
atttcataca	tcattcattc	aagggtctaa	tttatatttt	ttggaaatca	tggcaactac	420
acaggatgtt	gcttaccagg	a				441

<210> 12876

<211> 158

<212> DNA

<213> Homo sapiens

<400> 12876

cctgttnnta	catattactt	tactttgaat	gtatttcatg	gcacttatga	ttttgtagca	60
tatatgtatt	attttgtacc	catagcctat	ctttcctgct	agactgtcag	aaggaactta	120
aagacaactg	cacaattcta	aagaattgga	ctttgcat			158

<210> 12877

<211> 315

<212> DNA

<213> Homo sapiens

<400> 12877

tggcctaagt	tctcctgtt	ttctgctgtt	tgatctctaa	ggaactcctg	ttgctaaata	60
tgaagagtat	ggaacattca	tatagtctct	gtgaagcatg	gggggagggg	agacatttct	120
ttttcttata	ggctttatgc	tcaaagtgtc	tagtctcctt	tcaaagaatt	gtgttgcat	180
ttaaattgcac	ccagcttaag	tagaagacat	tgaaggatgc	attaattttc	aggaactatt	240
ttgaattatg	aaaagattcc	caattgaaaa	aattattcaa	caagtaaaag	ctaagaaknt	300
tcattgaaat	catan					315

<210> 12878

<211> 133

<212> DNA

<213> Homo sapiens

<400> 12878

ccctttgatc	acgttaatct	aaatctagat	gtctttgtct	aatttttttt	gaatagcagt	60
------------	------------	------------	------------	------------	------------	----

tataaatgta aaggactcaa agtttaagta aaaagtgata ctccaccttg tgtttcaaag 120
aatttagttc cac 133

<210> 12879
<211> 266
<212> DNA
<213> Homo sapiens

<400> 12879
acttacaatc tgacaacact tacaatctac tcagaacaac ctctctctct ccagcagaga 60
gtgtcacctc ctgctttagg accatcaagc tctgctaact gaatctcatc ctaattgcag 120
gatcacattg caaagctttc actctttccc accttgcttg tgggtaaatc tcttctgcgg 180
aatctcagaa agtaaagttc catcctgaga atatttcaca aagaatttcc ttaagagctg 240
gactggggtc ctacgatgat acacca 266

<210> 12880
<211> 264
<212> DNA
<213> Homo sapiens

<400> 12880
acttacaatc tgacaacact tacaatctac tcanaacaac ctctctctct ccagcagaga 60
gtgtcacctc ctgctttagg accatcaagc tctgctaact gaatctcatc ctaattgcag 120
gatcacattg caaagctttc actctttccc accttgcttg tgggtaaatc tcttctgcgg 180
aatctcagaa agtaaagttc catcctgaga atatttcaca aagaatttcc ttaagagctg 240
gactgggtct tgaccacctaa attt 264

<210> 12881
<211> 177
<212> DNA
<213> Homo sapiens

<400> 12881
tacattttat aggaaaaaat gtttttaaat gctagtcatt tatataatgt gctttgaagg 60
atgtgctagt ccacttctgt cacttttttag tacactggta tctttttatat gtaatgtatg 120
cttttattat tgtagcaaag catttcagta gaaagaattt tgcaacaata tggggga 177

<210> 12882
<211> 241
<212> DNA
<213> Homo sapiens

<400> 12882
attccactca agaatggaat caagctccgg tggaaaccaa agtccatgct gttaacttct 60
acgtgatgt gggacatgat attcaarrgc ttgaaagaat ttgttgccag aagagcttca 120
ctatacaaga tatgttaaag gatgtccttc aggcagaaag aagatgatac cagatggaaa 180
tctggatcaa cacaaagaaa tgaagagcac tagaaatgac gcggtagctc acacctgtaa 240
c 241

<210> 12883
<211> 380
<212> DNA
<213> Homo sapiens

<400> 12883

gctgggcagg	taagggtg	tgcgggacgg	ggagaggaac	ctgcagtccc	tacttgggta	60
gagccaggcg	ccccttggct	aagacgtcga	ggagcgtggt	agcgacgggt	gatcttcgct	120
gctgacttgg	ttcggaggga	cgtccgcttc	tggaggacag	attgagcaaa	gaacctttga	180
gcgggtcaagg	gaaagacaag	ccgactcttc	agatccctgt	ggacacactg	cctgctcttc	240
catatcatgg	ccctccaccc	ccgcagagtc	cggctaaagc	cctggytggt	ggcccagggtg	300
gatagtggcc	tctaccctgg	gctcatctgg	ytacacaggg	actctaaacg	cttccagatt	360
ccctggaaac	atgccaccgg					380

<210> 12884

<211> 513

<212> DNA

<213> Homo sapiens

<400> 12884

gttttttttag	tctatcgctg	cggttgagag	cgctgtaggg	agcctgtgct	gtgccgcgca	60
gttaggcagc	agcagccgcg	gagcagtagc	cgccgtggga	gggagccatg	aagcattacg	120
aggtggagat	tctggacgca	aagacaaggg	agaagctgtg	tttcttggac	aagagctgac	180
gtccctgcgc	ctgtgcttcc	cccagggtgga	gccccacgcc	accattgcgg	agatcaagaa	240
cctcttcaact	aagacccatc	cgcagtggta	ccccgcccgc	cagtccctcc	gcctggaccc	300
caagggcaag	tccctgaagg	atgaggatgt	tctgcagaag	ctgcccgtgg	gcaccacggc	360
cacactgtac	ttccggggacc	tggggggcca	gatcagctgg	gtgacgggtct	tcctaacaga	420
gtacgcgggg	cccttttcat	ctacctgtct	ttctacttcc	gagtgccctt	catctatggc	480
acaaatatga	ctttaccmka	gtcggcatac	agt			513

<210> 12885

<211> 345

<212> DNA

<213> Homo sapiens

<400> 12885

atttatacat	tttcttgctt	gcttttaaaga	caatctatat	tatttttcaa	gcccacagta	60
atgtgtaagg	cctgtaattt	ggacactttt	cagttatggt	taaggttatg	agcatgtaag	120
atactgttga	atatggaaga	atatgtctaa	ttaccactag	atagcttatt	ttgaagagat	180
aatatctaaa	tgtttgtcca	gagttgattg	ggtgcagttt	cataggtgtg	tttctcaata	240
aattgcatcc	atgtttttaa	gcatatagga	atttgaatac	tgtttaacct	catatagtcc	300
ttgtttgtag	gtttaatatt	tctgaagaca	aaagtcatca	cagcc		345

<210> 12886

<211> 239

<212> DNA

<213> Homo sapiens

<400> 12886

caatatataa	tcaaaataaa	aaaacaaaac	atactctctc	ccccaaaaaa	acatctcagt	60
ggggaacaga	tgtatctttt	catctgaaag	acaatgctgg	gggaagagct	ccactgagat	120
gcgggcaggg	aggctgggct	cgagccagcc	cctgcgttas	gaarcgggga	gaacagatag	180
gtaactcttt	tacatttctt	ttatgatctg	gcacttctcc	ccagctcctt	ccctctgcc	239

<210> 12887

<211> 162

<212> DNA

<213> Homo sapiens

<400> 12887

gtgttgcgta	ggcttgctctc	aaactcctgg	actcaagtca	tctctcttcc	ttggcctccc	60
aaagtgtctg	aatgacagga	gcatgccttt	gagagcagtc	agaaatataa	ggaaggaaaa	120
ttcatcattg	agcttgctca	tatgatcaaa	gacaatggcg	gg		162

<210> 12888

<211> 233

<212> DNA

<213> Homo sapiens

<400> 12888

ggagtggaag	ctgagcctcc	aggagctgcc	agaggacagg	agcggggaag	gctcaggtga	60
tctggaacct	cttgagcagc	agaagcagca	gatcattaat	gaggaaggca	ctgagttatt	120
ctctacaaaa	ggcaatgatg	ttgagtattt	tatatcgtct	agttcccat	ctggtttata	180
tcagttggat	cttctttcaa	cagagaaaaga	cacacatttc	aaagtatatg	cca	233

<210> 12889

<211> 206

<212> DNA

<213> Homo sapiens

<400> 12889

gacaattatt	ctgcaatctt	cctggctctg	ccattaattt	atttaagtcc	tggaagaata	60
cttaaattgg	tctcaagttc	catcagcaag	atgggacgac	tccattgaaa	agaaacataa	120
tatatggaaa	aattactaga	aaatctagga	aaactgactg	aatgctttgg	aaagacacag	180
tcaagattaa	catgctgaga	ctcggg				206

<210> 12890

<211> 235

<212> DNA

<213> Homo sapiens

<400> 12890

cttttagcaga	aaaaattaaa	gttaattgga	ctcctgagat	taacaaagaa	cacttgctac	60
agggctctgt	tctgatgtg	caagtaccaa	catctgtaaa	agatatgcgc	tattgccagg	120
tttcattcca	agatgatcat	gtgtctttgg	aaagtgcgtt	tacagtaaga	ccacttcctg	180
atgaacctaa	acatttaaaa	tgtgaaatga	aaggaggaaa	aacagtacag	atggg	235

<210> 12891

<211> 484

<212> DNA

<213> Homo sapiens

<400> 12891

actaaaaaaaa	agaaagaaag	aaagaaaaaa	agaggtttag	actaaataga	gtcagagttg	60
cagtgcaccta	aacaggaagt	tgggctattc	ccaactgcc	gtgatctctg	aagccgactc	120
tgaggctccc	tctttgctct	aacagacagc	agcgacttta	ggctggataa	tagtcaaatt	180
cttacctcgc	tctttcactg	ctagtaagat	cagattgcgt	ttctttcagt	tactcttcaa	240
tcgccagttt	cttgatctgc	ttctaaaaga	agaagtagag	aagataaatc	ctgtcttcaa	300
tacctggaag	gaaaaacaaa	ataacctcaa	ctccgttttg	aaaaaaacat	tccaagaact	360
ttcatcagag	attttactta	gatgatttac	acaatgaaga	aagtacatgc	actttgggct	420
tctgtatgcc	tgctgcttaa	tcttgcccct	gcccctctta	atgctgattc	tgaggaagat	480
gaag						484

<210> 12892
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 12892
 actaaaaaaa agaaagaaag aaagaaaaaa agaggtttag actaaataga gtcagagttg 60
 cagtgcacta aacaggaagt tgggctattc ccaactgcca gtgatctctg aagccgactc 120
 tgaggctccc tctttgctct aacagacagc agcgacttta ggctggataa tagtcaaatt 180
 cttacctcgc tctttcactg ctagtaagat cagattgcgt ttctttcagt tactcttcaa 240
 tegccagttt cttgatctgc ttctaaaaga agaagtagag aagataaatc ctgtcttcaa 300
 tacctggaag gaaaaacaaa ataacctcaa ctccgttttg aaaaaaacat tccaagaact 360
 ttcacacagag attttacttg acaggaaagg ccatgtgagg acatagggag aaagc 415

<210> 12893
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 12893
 acttatctgc ctgcctaggr sgcaagtacm ggggtgccaa ckgagagcct ggatsatatt 60
 tcacatgtgc ckgtcccara ggaattcctt aactcyccct tcttggaaac gaaatgcttc 120
 caaagacaga gagctcstat atatatctct ctgttttmcc cagcggaccg tgcataaaag 180
 ggcgcctttcc tggcgcggtg gtctctgacc ctgtggatct tctggacaat tcccgggaatt 240
 tcttgcaggg tagcactttc ccttaagtcg tctctttctc gtttggatag tcagtatttg 300
 tatatgcact attctctttt ggtagacca 329

<210> 12894
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 12894
 agggaaactt gacttcctca gactgcttcc ttcttataaa ctcttggttc cttatttatc 60
 atttttcgtt tttgtttttt aagttgtttg acctgayttt atcatagtag ttccaaatgc 120
 cttacagccc agtggagtca agctaaggaa agacagcatg atttccacag gatttgtatt 180
 tcttcctctt ggataaagtg atagtagttc ccagaccgcg 220

<210> 12895
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 12895
 agtgacgcg cccaagggcg gaagtgagaa agttgtctgc gtctcgaggc gagttggcgg 60
 astgtgcgc cggcggggcg atggggggct cgggcagtcg cctgtccaag gagctgctgg 120
 ccgagtacca ggacttgacg ttcttgacga agcaggagat cctcctagcc cacaggcggg 180
 tttgtgagct gcttccccag gagcagcgga sktggagtcg tcaacttcggg cacaagtgcc 240
 ctctgagcag attctcagcc ttccagagct caagggtgcaa gcgctcccct cctttgacac 300
 ctctcccacc actccctccc tgctagaccc 330

<210> 12896
 <211> 129
 <212> DNA

<213> Homo sapiens

<400> 12896

gcaaaggaaa	atctggctat	ctggcaatat	tttacctaag	cgcagattaa	ttgggtgaaaa	60
aattaactct	taagatggcc	attaataatt	aggaaagttt	acagagtggg	cttagtagaa	120
aattcaagt						129

<210> 12897

<211> 589

<212> DNA

<213> Homo sapiens

<400> 12897

cttttttaggg	aaagtagttt	ttttggagct	actaacttgt	atattattatt	gtacatgcat	60
aaccaggggtg	gtgagggcac	taatcttgta	ggaaacactt	acttgatggt	ttatttgaac	120
ttttcctrka	ggtttaactt	ttactgcata	gaattaacac	taggaacagt	gtcatgaaat	180
ctggggttgaa	ggagaatata	gtatatatga	gaacacttaa	agttcaaata	gaaatcattt	240
ctgaagacaa	aagcagagga	atattgtcag	tgccaagtaa	tggaagaata	agggcggcat	300
ttacactgtg	caagtattga	gaagagtgc	taaagacagg	gaactactct	catggagaca	360
gtttctctct	tataatcaag	taactagaag	gggaaaaaat	catctaagtt	atgaaatcca	420
acatagggcg	tatattacaa	actgtgccgg	attatgcaaa	ttgtagtgtg	tactgatcaa	480
agtttaattg	cttcattttt	gtttaaaaag	ggatactgat	gtcagaaaat	ctgtaatatg	540
ttttattcaa	aagatgtaaa	taatgtatac	agacttgtat	gtgatggga		589

<210> 12898

<211> 281

<212> DNA

<213> Homo sapiens

<400> 12898

tttctacttt	atatgtatac	atatttttgt	ggaatgaact	actacaaatt	ataaagtgat	60
aagggccgag	agcgcccttac	aagggtgaaat	actactttta	ttactttcca	ttaacaacag	120
gagcaagaac	ttcttacaga	aaggggagag	aggcatagaa	agaaacatgc	ccactggggg	180
agggaggcag	gcttgagcga	agttgggcgt	gggggacagg	ggagaagctt	ccggactggt	240
gacagggaca	gcacagagac	agtcagacat	gaccaagcca	g		281

<210> 12899

<211> 258

<212> DNA

<213> Homo sapiens

<400> 12899

tttctacttt	atatgtatac	atatttttgt	ggaatgaact	actacaaatt	ataaagtgat	60
aagggccgag	agcgcccttac	aagggtgaaat	actactttta	ttactttcca	ttaacaacag	120
gagcaagaac	ttcttacaga	aagaggagac	taagaaagga	gtgagaagg	agaggaactt	180
aagagttgat	ttaggggagt	gcttttgta	ggactgggga	caggggcagg	taaagacagt	240
cagacatgac	caagccag					258

<210> 12900

<211> 164

<212> DNA

<213> Homo sapiens

<400> 12900

caaagaccat agtttacctt agcgtttatt cttgttgttg tacattctat gggtttagac 60
 aaatttagtg acatgtgtcc atcattatag tatcacatgg agtaggttca ctgccctagc 120
 aatcctctgt gttctgctg tttatctctc cttccccc tccc 164

<210> 12901
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 12901
 agaggcgtct gcggtgacag ctcagtcagt tgagctctgt gtgccaggcg ctcgsgaggg 60
 ggtagctctt ctagtatgac tcggcgctcag acatggcgga ggcgatggat ttgggcaaaag 120
 accccaacgg gccacccat tcctcgactc tgttcgtgag ggacgacggc agctccatgt 180
 cttctacgt gcggcccagc cc 202

<210> 12902
 <211> 614
 <212> DNA
 <213> Homo sapiens

<400> 12902
 tggaaatgtg gagtatTTTTg gactgggcaa ctcccctggt tttcctctgc agtattatcc 60
 gtactatggc aaactcctgc agcccaaata cctgcagccc ctgctggccg tacagttcac 120
 caatcttacc atggacactg aaattcgcac agagtgtgag gcgtacgggt agaacattgg 180
 gtacagtgtg aaagaccgtt ttcagggacg ttttgatgta aaaattgaag ttaagagctg 240
 atcacaagca caaatctttc ccactagcca ttttaataagt taaaaaaaga taaaaaaca 300
 aaaacctact agtcttgaac aaactgtcat acgtatggga cctacactta atctatatgc 360
 tttacactag ctttctgcat ttaatatggtt agaagtgtgta gcaatagcaa 420
 caaaatattt attctactgt aaatgacaaa agaaaaagaa aaattgagcc ttgggacgtg 480
 cccattttta ctgtaaatta tgattccgta actgacttgt agtaagcagt gtttctggcc 540
 cctaagtatt gctgccttgt gtattttatt tagtgtacag tactacaggt gcatactctg 600
 gtcatttttc aagc 614

<210> 12903
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 12903
 tatccgagtc tttgctcaag tcacattttt ggaaagacct ccccaacagt ctatcttgaa 60
 tagcccattg tcattctatc tcctcactcc attattatta ctattattat ttatctcagt 120
 acttgccac 129

<210> 12904
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 12904
 agacctagts atatgccac ttttggggac cttcatttag gtgagctgcc acgtccggag 60
 gagggcagca agaattgaaag acctctagtt ttccagactc ccggagccct ggtctctaca 120
 ccacatggac gttatccacc tcctctgtgt cctcccaagg cagcatttca gaaggtgatc 180
 cacggcaaag cgtcccttca aatccgtctt tngtgccmac tgccatagtc aaccccgta 240
 gaagcacagc cggccctggg actttaggac aaggggtctct tcggaaaggg cggasmgcat 300

gagaaagagt aagtgggtggc agagagcaag tcaaaaccgt gagatttcag aattacagcc 360
ctcctccay caaacattaa cacctcccat ccca 394

<210> 12905
<211> 480
<212> DNA
<213> Homo sapiens

<400> 12905
agacctagts atatgcccac ttttggggac cttcatttag gtgagctgcc acgtccggag 60
gagggcagca agaataaaa acctctagtt ttccagactc ccggagccct ggtctctaca 120
ccacatggac gttatccacc tctctgtgt cctcccaagg cagcatttca gaagggtgatc 180
cacggcaaa cgtcccttc aaatccgtct ttgtgcccac tgccatagtc aaccccgtga 240
gaagcacagc cggccctggg actttaggac aagggtctct tcggaaaggg cggagagcat 300
gagaaagagt aaktgggtggc agagagatgg atccctgcag agacccctcc agtccgggat 360
ccccactctc gtggtaggct ccctcagacg cagccccacc atggtccttc ggccctcagca 420
gttccaattc taccagccac aggggatccc tcntccccct cagccgtggt ggtggagatg 480

<210> 12906
<211> 223
<212> DNA
<213> Homo sapiens

<400> 12906
aaataagaga agaaaggaat attttctagc tgtgcaaatc ctctccctag aggaaaaaat 60
taagggtgaaa agcactgaag ttgagatcct agagaagtct caaattgaag ccattgcttc 120
ctcgttaggg aacgcgaatc ccctgagctg aaggagaagg aaaaatggat ccgctttctt 180
aaacctttcc agaatttgcc cctagaccac tccattcttg acg 223

<210> 12907
<211> 243
<212> DNA
<213> Homo sapiens

<400> 12907
ggaaattatt agatgagaca cttccaaata acgaaagacc tgattcatat gactcccatg 60
agctaacttt tctaagaagg agtttcttta ataagatttt atttcaattt aaggtaattt 120
aatcaaaact ttttacattc ctggtcttga tgctaattga acttaccaga aattgactac 180
gtgtcagcgt tttgattcat atagaataga aaggaaggac ataattgtat atgaaaccag 240
cca 243

<210> 12908
<211> 432
<212> DNA
<213> Homo sapiens

<400> 12908
taggtttcat ttctttgcag taaattcctt ggattagatt gctgggtcac agggtagttt 60
taaaagaaac tgccatacct ttttccagtt caagttttwa ttgtgccttg tattttgtat 120
tttgatgtgc ataaagggtg aaactatttt tatgatccat attgaagtat tagaagaagt 180
gagtttgtaa taacaatggc attgttcatg gtcaaggatg acaattggaa ctatctgagg 240
aaagcaaaga cctgtctgcc ccagacagct cctcaagggg ttcctatgcc tgaaacttta 300
gcaatatttc actccttgaa aggttaaagc ccaaccatgg tgatatgtta gctagaagaa 360
acagcactgg tttgtttatg ttactaactt tcaccamccg ttttcagtag gtaaagtaag 420

actgatcatt ga

432

<210> 12909

<211> 234

<212> DNA

<213> Homo sapiens

<400> 12909

aaatgggctg	ttttatact	ctctaggtgt	tttgtgtgt	aaagacctta	ttaaggctcag	60
gtaaattggg	ctgcttgctg	ttgaaatttg	ccttctagca	aacatatgtg	ctttctgttt	120
gaccttggtg	ttgctgccaa	acctaataca	gttgaattgg	gaaacaaaaa	aaaaagaaag	180
gaatacattt	cctccccaag	tgaamatctt	ctawtgctgc	atcannngctg	ccct	234

<210> 12910

<211> 191

<212> DNA

<213> Homo sapiens

<400> 12910

gaggagtgtt	tgaagctagg	agttcaagac	cagcatgggc	aacatagtga	gacccccatc	60
tccacatttc	acagaatgca	aaatgggatg	tttgctgtga	acacaactac	ttaaaaagac	120
cttctccttt	ccaggcatgg	aaagcctggg	tttactctcc	catggacctg	aattccaatt	180
cccaccctgc	c					191

<210> 12911

<211> 154

<212> DNA

<213> Homo sapiens

<400> 12911

acagcaccgg	aagagtcgct	aggaggcagc	catgcataaa	gacgagtttc	atctgaaatt	60
tttcatgtgt	gtgattcagt	ctcgccagtt	agtcaggact	cctcagagaa	cagctgggga	120
agcttctact	tccagcatgc	tcataccaaa	gccc			154

<210> 12912

<211> 311

<212> DNA

<213> Homo sapiens

<400> 12912

tttgttccca	aagggttgtg	cgtcaccgag	tcgttggcgc	tgtcatggcg	ggtgtgctga	60
agaagaccac	tggccttggtg	ggattggctg	tgtgcaatac	tcctcacgag	aggctaagaa	120
tattgtacac	aaagattcctt	gatgttcctt	aggaaatccc	taaaaatgca	gcatatagaa	180
agtatacaga	acagattaca	aatgagtcag	gaggcttagg	caggagaatg	gcgtgaaccc	240
gggaggcaga	gcttgccagt	agccgtgatc	tcactactgc	actccagcct	ggcaacggag	300
cgagactccg	t					311

<210> 12913

<211> 373

<212> DNA

<213> Homo sapiens

<400> 12913

tttgttccca	aagggttgtg	cgtcaccgag	tcgttggcgc	tgtcatggcg	ggtgtgctga	60
------------	------------	------------	------------	------------	------------	----

agaagaccac	tggccttg	ggattggctg	tgtgcaatac	tcctcacgag	aggctaagaa	120
tattgtacac	aaagattctt	gatgttcttg	aggaaatccc	taaaaatgca	gcatatagaa	180
agtatacaga	acagattaca	aatgagaagc	tggctatggt	taaagcggta	agtagctaag	240
tcagttttgt	tgtcttggat	ttgtggatc	cagtgttaaca	tttaacccaaa	aaagtttagt	300
tccttatttt	ttatatattc	gacacacttt	tcttctatas	knkktccttg	aatgctcttt	360
tcccatcatt	cct					373

<210> 12914
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 12914	
atttcatta	ccaggaagaa
tgtagtctg	gactcttcag
cttcattggc	gttgagcata
gaggttgtag	atcctcagga
ctttcaccc	gaaagtcact
tggcagaaca	gakgttcattg
tcctataaaa	gacggaagt
atgccaagga	cagac
	60
	120
	155

<210> 12915
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 12915	
aggggtgaga	aggccacgg
ggttcccgga	ggacagggag
cccgaggagg	tgccggatgg
gcgaaccaga	ctctctggag
agggcatctc	cagagaggaa
gagacatgga	agtgaagggg
agcccccagg	acggcctggc
atagaagtga	gggaactcaa
agcggggga	
	60
	120
	169

<210> 12916
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 12916	
aggcgccatc	tttgacgctg
gcagtccttg	ttttctgcta
gtgctgctgc	tgctgggagg
acgacggacg	gcagcgccca
agcaagaaga	aagacgtggc
agcaagcggg	agtcggggat
agtgtcatcg	gttcggactg
gtgaaaccgt	aatgaagaac
acccctaacc	tcccataatc
ggtgcggatt	cctatgggga
a	
	60
	120
	180
	201

<210> 12917
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 12917	
aaaatgtagt	ctgcggacaa
gagccagccg	gcacagccag
agccatgcaa	gcgcagttct
cttcggacag	agccactgtc
tcaagactct	gcccttcttc
aagagaagag	cccagaagaa
gagagaatga	ctgctaggcc
ctttatggct	ggattcaggt
taccaaagac	gttggaagag
gtggctatgg	acatcacc
	60
	120
	180
	198

<210> 12918
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 12918

ttattagcac	ctggcactag	gcgagagag	gcggttaagcc	gagaggagga	aagggactca	60
cgtcccgtg	tggaccgatc	ctgctaagca	gagaatcgct	gtggccggac	gacggggcgt	120
cgagacaaga	agaaagacgt	tggcaactca	gaggactggg	tgcggcggtta	gacaagaaag	180
caaggccttt	aagcagggat	tcgggggtgga	cgtgggggtg	ggccgaagcg	aaccggaaac	240
agga						244

<210> 12919

<211> 138

<212> DNA

<213> Homo sapiens

<400> 12919

attatattct	atccccctcc	aaagtgcctt	caaagactaa	atttgtcttg	ataccaatcc	60
atttatacca	acacatcccc	acatttctga	tgatgaaaca	gattcctaga	gactaaattt	120
ctttcttttc	tttttttt					138

<210> 12920

<211> 310

<212> DNA

<213> Homo sapiens

<400> 12920

agttctctgt	agtgtttgca	atgttggagc	cgtctgcaaa	gtgtccccgg	caagaaggta	60
tcattgcccc	gtgcctaaga	tcttttatgt	tcagctcact	gtaggaaata	atgaattttt	120
tggggaagga	aagactcgac	aagctgctag	acacaatgct	gcaatgaaag	ccctccaagc	180
actgcagaat	gaacctattc	cagaaagatc	tcctcagaat	ggtgaatcag	gaaaggatat	240
ggatgatgac	aaagatgcaa	ataagtctga	gatcagctta	gtgtttgaaa	ttgctctgaa	300
gcgaaatatg						310

<210> 12921

<211> 111

<212> DNA

<213> Homo sapiens

<400> 12921

aaccgtgcgt	tgcacagcgg	cggccggagc	agacgcggga	tggtcgcgcg	tccccgcac	60
agcacagagg	ggcagccgga	gagcctggga	aagaggctgc	ctaccacaag	g	111

<210> 12922

<211> 220

<212> DNA

<213> Homo sapiens

<400> 12922

ggaagtagcc	ggartctctg	aaagactgac	cgactgactc	tgacaggatc	cggggctgag	60
ggaaggaggc	ggcgcccatg	gagttgggcg	agctgctcta	caacaagtct	gagtacatcg	120
agacgggtgg	cggggtccag	atatgtatcs	kcccttttcc	aaccctgcrw	ccctttgagg	180
cmwggctggc	gttcccaacc	tgcccttacc	ccaccaaccc			220

<210> 12923

<211> 376

<212> DNA

<213> Homo sapiens

<400> 12923
 ggaagtagcc ggaatctctg aaagactgac cgactgactc tgacaggatc cggggctgag 60
 ggaaggaggc ggcggccatg gagttgggag agctgctcta caacaagtct gagtacatcr 120
 agacggcatc trggaacaaa gtcagtcgcc agtcartgtt gtgtggaagc cagaacatcg 180
 ttctcaatgg caaggctgga gtgcaatggc gcgatctcgg ctactgcaa cctccgcctc 240
 ccaggttcaa gcgattctcc tgcctcagcc tcccagtag ctgggattac tgcagaccat 300
 tgtgatgaat gnnnsgtatt atccgagggg atctggcaaa tgtaagagtt ggacgtcatt 360
 gnnttgtaga aagtcg 376

<210> 12924
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 12924
 acagtgcgt gacccttagg agaccagag ccaatgcgtg gattagtccc tctcctagt 60
 tgcagtctgg tagttgtcgc tggccgtgtg acggctcgtt gttgccctga aggcaggcga 120
 gccagctgcc caggaaaggt ggaaagtggg agaagctgac ccctgagccc tggcaggctc 180
 ttaagtgcgt ttgtgcagcc gatttcaagg ctaagagaga aagactgcct ctgatccctg 240
 aaggaagaaa aaaaaaaa 258

<210> 12925
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 12925
 agcagtggca gcactgggtt tctaagggaa agacaaagca ggccgcgtgt gtgggtttca 60
 gttaggcgaa taatctggag agtaaagcaa attcttgtgc cttctttata ggttttgaaa 120
 gtgacacaga ttcggaattt acattcaaga tgcaggatta taataaagat gatatgtcgt 180
 atcgaaggat ttcggctgtt gagccaaaga ctgcgttacc cttcaatcgt tttttaccca 240
 acaaaagtag acagccatcc tatgtaccag cacctctgag aaagaaa 287

<210> 12926
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 12926
 agataaattt gaaatgagag atttgaaata tcattgctcg gaggggccac atggaaagca 60
 tgagaatgga atatgggcag ctaggagcaa agactggatc ccacttgaca gcaggtcact 120
 cagccaaagg ag 132

<210> 12927
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 12927
 agcttgggcc cgcggcggcg gcaagggcgg gagggagcgg tcgccgcggg atttgagct 60
 gcctagcctc ggcgkcgctt tggcagcatg taagcagctg tttgccaaga acccaggtca 120
 ctgctaagaa aggggtgcctt cgggagaaga gtgtccagag gataccaatg ccagatgcat 180
 ctggagttac actcagcact cgcagtatga gacattgtgt gccagcatct ctttccttct 240

ggcaaagact	gtagctctcc	aggtaggagg	atcctggaag	ctgtgagcac	caggagcctt	300
gccagaggag	gatggggcca	gatatgaact	ctctaccatg	awnntgggtc	tcggcttatg	360
aaggaatttt	aagtaaaaca	rgttatttaa	ttccacata	ttcaaagtca	aaagccttct	420
gtgtgaagtg	ccagtgat					438

<210> 12928
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 12928						
caaaaaggta	gtgtgatagt	ataagtatct	aagtgcagat	gaaagtgtgt	tatatacatc	60
cattcaaaat	tatgcaagtt	agtaattact	cagggttaac	taaattactt	taatatgctg	120
ttgaayctac	tctgttcctt	ggctagaaaa	aattataaac	aggactttgt	agtttgggaa	180
gccaaattga	taatattcta	tgttctaaaa	gttgggctat	acataaatta	ttaagaaata	240
tggattttta	ttcccaggat	atgggtgttca	ttttatgata	ttacgcagga	t	291

<210> 12929
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 12929						
agacggaggt	ttcagtgaat	gaagatcgtg	ccattatatt	ccagcctcgg	caacacagca	60
ggactgtgat	tttctttgga	gactcctaga	ttttctgtgg	ttttgaactg	aatttgttgg	120
atgttggcaa	gtgcctctta	tgartctgtt	ctttatcctg	catttgcccc	acaaagactt	180
atctggaggt	gagnnaagta	tgtttggtag	tgaggtcaca	aaggcaatca	gccccttcct	240
ccccactccc	attgccatct	tctcagtcct	tctccctttc	tttccaagta	gtttaccac	300
cctcctctct	tctcctcctg	tccttaaaat	aatccacgtg	tcttcctaaa	atctctct	358

<210> 12930
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 12930						
aaaaaacaag	ggtcctggcc	aaccacagtg	gctcatgcta	taatgacaac	acttggggag	60
gtgggaggat	tgcttgaggc	caggagtttg	agaccagcct	gagcaacatg	ggcttctttg	120
agctgttcmc	ttctctaagc	cataatctct	tagtggattg	agccctcttg	gaaagacttc	180
tctgccatcc	ctttgcacct	gagaggg				207

<210> 12931
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 12931						
cctttcggtc	caggcggcgg	cagggtgag	ccagcgacgc	cctccattca	ctctccgcgc	60
ccgttctccg	gctgtcctcc	cgttccgctg	ccgcctctgc	caccatgacg	gaacaggcca	120
tctccttcgc	caaagacttc	ttggccggag	gatcgccgcc	gccatctcca	agacggccgt	180
ggctccgac	gagcgggtca	agctgctgct	gcaggctccag	cacgccagca	agcagatcgc	240
cgccgacaag	crgtacaagg	gcacgtgga	ctgcattgtc	cgcaccccca	aggagcaggg	300
cgtgctgtcc	ttctggaggg	gcaaccttgc	caacgtcatt	cgctacttcc	ccactcaagc	360
cccatcaag						369

<210> 12932
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 12932
 atccactgtg ctgggggactc ccaagccagc actggctcat actgattcat tttgatctct 60
 gctaatacca gagtcctgcg tggcagagcc attggcacca gaaattacaa gtacgtaaag 120
 agaacatggc caagcgagtt gccattgtgg gngctggggc cagcggcctg gcctccatca 180
 agtgctgtct ggaagaagga ctggagccca cctgctttga gaggagcgat gaccttgggg 240
 ggctgtggag attcacca 258

<210> 12933
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 12933
 accactaatt gagggagtga ggaagagagc agctcgcttc taactggact gcacgttggt 60
 gacagcgctc caagctgggtg acagaccac tctgtaactt tcagctagat tcagccacca 120
 gatcccagaa acatgaccct tgctgcctac aaagagaaga tgaaggagct cccgctgggtg 180
 tccttgttct gtcctgctt cctggccgat cccctgaata agtcgtccta caaatatgaa 240
 gcagaacact tcctgacctc gtgatccacc cacctcagcc tctcaaagt ctgggattac 300
 aggcattgagc ctccacgccc agcctggcat ttgcattcta cttacaatgt tgagtacttg 360
 tcttctgcaa gttactagaa 380

<210> 12934
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 12934
 accactaatt gagggagtga ggaagagagc agctcgcttc taactggact gcacgttggt 60
 gacagcgctc caagctgggtg acagaccac tctgtaactt tcagctagat tcagccacca 120
 gatcccagaa acatgaccct tgctgcctac aaagagaaga tgaaggagct cccgctgggtg 180
 tccttgttct gtcctgctt cctggccaat cctttgaagt catcctgaag snaccctcct 240
 ttgatggggc tcccgagttc aacgcctccc tgccaaggcg gcgagacca tccttggaag 300
 agatccagaa gaaactagaa gcggctgagg agcgaaggaa gtaccaggaa gcggastcct 360
 gaaacaccta gcagagaaaa cgggaacatg agagagaggt gatccaaaag gccattgagg 420
 aaaacaacaa cttcatc 437

<210> 12935
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 12935
 ataaaagcca aattaatcct acaatcaggt attatgtttt taaaccaagt tgagtgaatt 60
 ggtagtggac ttgggaaatc ttccccagca gaatctggat gaatggcaca gaattgaaat 120
 ctctttgttt ccaccattt ccctttaagt gctctgctcc tttgtaaaaa gttaaagatt 180
 tgaaagagaa tctcatattc ccgaggcatt aggaagaaag gatttaatcc cttcaatttg 240
 gggcttaatc ttgtttaaaa aaatgtaagt gaagatggaa ggctggagag aatgattgct 300
 tttgtacag ttaaataagg t 321

<210> 12936
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 12936
 cacatgctat gctatttgat ggaggtatat atamggtgct atagggggac aactaactca 60
 gtgagagggc ttcccatagg agtaggtacc ttatctaagg ttctaaggac aggtaggatt 120
 tcatcggatg agatgtacta gtaggggttg gagctgggag taacattttg gacagatgga 180
 gcaacatgta caaagatttg agagatgaaa gagaatgaca agtttgga 229

<210> 12937
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 12937
 gyyggagctc gcgagcgamg ggcgysaatc ctgaggggtca gatctccaag aaggagggag 60
 gctgggtccta gttcccgagg tcctagacta ggtctagatc actgggtaaa agaaggggag 120
 cggcagcacg tatggggact aatctgtcac ggcggcgccc tacctcttct tccggcccgg 180
 ctcgtcattg cggcgccctg agtagccact tccgcccctct tctggctaaa ttgcttcac 240
 cctatttccg gcttgccatg gcagcgctcg gggtttaacg gaagtaagca atggaaagta 300
 tgggtggtgcc tcgggtccaa agagaatgcg ccgctgagtt gcgmggcacc tgamgggatt 360
 gagcctcaga cacaagcgct ccaaattctcc gactgtarct gatctttcaa gactctagtc 420
 aaaatgagca gaacattttg cagttaatca tarakttgaa gatgaamgag aagatgaacg 480
 agagctactt gattgtgaac tagtaanga 509

<210> 12938
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 12938
 aatacaccaa ctcttatggg ccaccattta aagagacatt ttcatagtgg acttcaatgt 60
 aattgagtcc atgacccctt tgagaagggg ctgaactgac aagcctccct gagacagggtg 120
 ccccatggaa tgctagtga ga 142

<210> 12939
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 12939
 aactgtatga ttccccctcat caggcaacaa ggaactaata ctcgggggtt acaggaacca 60
 ggggatgggc cagatatgga gaaagagacg cctctggcct tgggggctcg ttcttgaggg 120
 aatcagcgtg atggggatga gaagggcatc tttggaacgg gggccttctc cataggaaga 180
 ggaggcgagt cccctggcca tatttaaac acagttctcc acgccacctg tgcgactcgg 240
 gatccaacct ccccgacca gcccagtc aggtacctgg aacttagtcc gatcggtaac 300
 cggcgactac gtgggggtaca ggtaccgagc gcgccccga cagacg 346

<210> 12940
 <211> 229
 <212> DNA

004220" 666E7566

<213> Homo sapiens

<400> 12940

aaggcaagag	aaccactag	gggatgagcc	cgaactaggg	atgtgacaga	gcgcgrgacc	60
cagcctaaag	agagcccga	gccagcgtgg	gaggccgctg	ccgtcgcgcg	ccttggtcgt	120
gctgcggttg	tcccattggg	gacttggcgg	cgactgtccc	tgtgctggtt	tgcaagtgtgt	180
gggttcattc	acctggtgat	cgagggctgg	ttcgttctct	actacgaag		229

<210> 12941

<211> 203

<212> DNA

<213> Homo sapiens

<400> 12941

aaggcaagag	aaccactag	gggatgagcc	cgaactaggg	atgtgacaga	gcgcgagacc	60
cagcctaaag	agagcccga	gccagcgtgg	gaggccgctg	ccgtcgcgcg	ccttggttga	120
cggcgttgca	cgctctcgcg	gggaggctct	ggctttccaa	acgctggcac	cgagggtttt	180
tctgttcctt	tttttttttt	ttt				203

<210> 12942

<211> 130

<212> DNA

<213> Homo sapiens

<400> 12942

aaggcaagag	aaccactag	gggatgagcc	cgaactaggg	atgtgacaga	gcgcgagacc	60
cagcctaaag	agagcccga	gccagcgtgg	gaggccgctg	ccgtcgcgcg	ccttggtttt	120
tctgttcctt						130

<210> 12943

<211> 170

<212> DNA

<213> Homo sapiens

<400> 12943

gcatcacagt	attaggatct	ttaaggagat	ctttaagaga	taagaaggca	ataaggtgta	60
aattaggttt	cagagactct	gtagaagaaa	gagagtatag	ggtctttttc	ttacatctta	120
gaaaaatccc	attcaaaaga	tttaaaggct	tcttgtaaca	ttactttata		170

<210> 12944

<211> 220

<212> DNA

<213> Homo sapiens

<400> 12944

ccttgttattc	cattatttta	aaaaattatt	cttatgtcaa	tacatgtgat	catcataagc	60
cctttggtta	agggttatg	tggttgggat	gcaaatgaa	gtatttagaw	ataaactgat	120
atgaaattga	ggatgtggtt	ttaaatattc	caggaaaaaa	aataagtga	aggaataaat	180
caaacaaaat	tggcaaatc	tgctaaattg	ttgatgaggg			220

<210> 12945

<211> 394

<212> DNA

<213> Homo sapiens

<400> 12945
 aaaagtaaga agccacggca ccgctcaa atcattcagtg atgaaagaga gttctctgga 60
 ccttccaccc cgacggggac gctggagttt gaaggtgggg aagtgtctct ggaaggtggg 120
 aaagttaaag ggaaacacgg gaagctgaaa ttcggtacct ttggtggatt ggggtcaaag 180
 agcaaaggtc attatgaggt gactgggagc gatgatgaga caggcaagtt acaggggagt 240
 ggggtgtccc tggcctctaa gaagtcccga ctgtcctcct ckntagcaa tgacagtggg 300
 aataaggttg gcatccagct tcccaggtg gagctgtcag tttccacaaa gaaagagtag 360
 caggcctttg tatgtgtgta catatatata tata 394

<210> 12946
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 12946
 gattacttgc tcysgggaaa gccaaagcacc acatcatgag gacactcaaa gagatccaca 60
 tggagaagga ccaatttgc t aacaccaact gccagcttag aaataaatcc tccagccttc 120
 agatgaccac agccctagcc tagacgtgac tacaacctgg tgagagaccc taatckagaa 180
 ctgcccagcc aa 192

<210> 12947
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 12947
 atttctctcc ttctgttggc agtgacggtg caggccggag cggcacctac gtcttgatcg 60
 acatggttct caacaagatg gccaaaggtg ctaaagagat tgatatcgca gcgacctgg 120
 agcacttgag ggaccagaga ccggcatgg tccagacgaa ggagcagttt gagttcgcg 180
 tgacagccgt ggctgaggag gtgaacgcca tctcaaggc ccttccccag tgagcggcag 240
 cctcaggggc ctcaggggag ccccyacccc acggatgttg tcaggaatca tgatctgact 300
 ttaattgtgt gtcttctatt ataactgcat agtaataggg cccgtgcggg gccggganc 360
 agaggttgca gggagccgag atcgtgccat tgtactccag cctgggtgac agagtgagac 420
 tccg 424

<210> 12948
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 12948
 acggaggcag cagctggagc agcagcagcg ggagaatgag gagcacaagc ggcagctgct 60
 ggccgagcgt cagaagcgca tcgaggagca gaaagagcag aggcggcggc tggaggagca 120
 acaaaggcga gagaaggagc tgcggaagcr saggagaggg agcagcgccg gcactatgag 180
 gagcagatgc gccgggagga ggagaggagg cgtgcggsa tgaacaggaa tacatcaggc 240

<210> 12949
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 12949
 caattctgag gctcagccct cctcggagcc caccatctcg aggtcctgg actgtaaggg 60

acccctgcag	tccccagagc	agaggccagc	aggggctgag	actatgaggc	aagcagccca	120
tcgaccagc	cctccttagg	accagcccag	ccaccagca	agcgaaagag	cagcagcaga	180
gagcagagcc	ggagataaag	gaccacagcg	gaccactggg	gatcaccccc	agcagctcct	240
gaagcctctg	gccgggctga	gggggttgca	cagacggcca	gaccacaga	cactgacagg	300
cacacaacga	caccgatgca	camagctgca	cgacactgac	acactcagat	acaaccaggg	360
acagcatcac	atactgccac	aagccctgca	atacagatac			400

<210> 12950
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 12950						
acatttcggg	tctcatcacc	tggaaggcac	aagaaggggt	ggggcgctga	agccccggcag	60
tccacgtccc	tctgacccca	accttgctct	ccttgccctg	gactcacgga	ggtcaaagag	120
cagcgagggg	cactggccgc	cctcggccct	ccagggggcac	aggaacacgc	cg	172

<210> 12951
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 12951						
tgtagacact	ctgtcatctg	ggatatat	gtgagtggac	tctggttagt	tttactgatt	60
ggtgctgttg	acttaatctc	acctgctgga	tggcagagga	gttatggcag	ttttaaagtg	120
gaagatctca	ggatggctgg	aaagagccct	atcagctgag	agcagtcttc	acccttcacc	180
ctgatgccag	cagtcttacc	aggactctga	cccttttttc	ttggaaaatc	ccac	234

<210> 12952
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 12952						
gcacacctct	cggtgcagat	tgcaaagcgc	cttccgttgc	gagagctgca	gattttgcaa	60
gagccaggct	cgcccacctt	gtagaaggag	cgccttgagt	cccctctcac	cctcggttgc	120
aaagagccga	ccgcttgatc	tggacacccc	ctcgcccaga	ttgcatgata	ccccgggacc	180
ctcttgagtt	gcacgtttct	gcaccgagga	cctcaaattc	cc		222

<210> 12953
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 12953						
aggaaaggaa	caagggaag	agccggtgaa	ggggcagaa	aggcagggtc	cctcgaccca	60
ggaccccctg	ttcccaggct	atggccccc	gtgccttgta	gacctggcag	gcccccgctg	120
cttgcgaccc	ctatttgagg	gtctgggtgg	ctactggagg	gccttgacaga	ggggcagaga	180
aggcaggacc	atgacatcta	gggcctctga	actttctccg	gggcgcasgt	gacggctggc	240
atcatcattg	ttggagatga	gataccttaag	ggacacactc	aggacaccaa	caccttcttt	300
ctgtgccgga	cactgcgctc	cctaggg				327

<210> 12954
 <211> 228

<212> DNA

<213> Homo sapiens

<400> 12954

gcagtttggg	ctgtctccca	ggcaggcgca	gagtcgcggc	cgccagctag	gggcgcggga	60
aggcggggct	cggatgcaat	cgggacctcc	tcctggactg	ggccgggggc	ggactccggg	120
acccagggcg	ccgggagccg	gcgggctacc	tgcgagtcga	gttagcggtg	tcgccgaacc	180
gaagtgaag	ggcacgggga	aggggtcaaag	agcgtgccga	agcgtctgg		228

<210> 12955

<211> 356

<212> DNA

<213> Homo sapiens

<400> 12955

aatgtgaggg	gaggtggagg	agatggcggc	gacggcccgg	gaagatggcg	ccasgggtcaa	60
gagcgagggtc	agcggggctg	cgagcactat	gacagaggat	gtctcctaaa	ggcaccttgc	120
tgtgacaagc	tttatacttg	ccgcttgtgt	catgataaca	atgaagatca	tcaactagat	180
cgctttaaag	tgaaggaagt	gcagtgcata	aactgtgaaa	aaattcaaca	tgcccaacag	240
acttgtgaag	aatgtagcac	attgttttga	gaatattatt	gcgatatatg	ccatttgttt	300
gacaaagata	agaagcagta	tcactgtgaa	aactgtggaa	tttgatttgt	ccaaag	356

<210> 12956

<211> 252

<212> DNA

<213> Homo sapiens

<400> 12956

ccaaagggtac	agtgtaaactc	tggatggagg	aataaacttac	ctatcactac	aacacttaca	60
aatgagaatt	tctcagaatt	tcattctagg	caagttccac	tcaacaccag	atcaagcaat	120
tctatctatt	tacactatta	gcctagtttt	ctcatcacgt	catcacaagc	ataggaagat	180
acttcaaaaac	caaaaaaacc	aagggtgcac	attaatatc	atttaattca	aataccaaat	240
agtttacata	gg					252

<210> 12957

<211> 408

<212> DNA

<213> Homo sapiens

<400> 12957

cactctaccc	catctccttg	ccgggtcagc	cctgacaaaag	gtcagctagc	cccttgagga	60
catcagcttt	ggcctcaggg	tcctaattggc	agcagaacca	ctgacagagc	tagaggagtc	120
cattgagacc	gtgggtcacca	ccttcttcac	ctttgcaagg	caggagggcc	ggaaggatag	180
cctcagcgtc	aacgagttca	aagagctggg	taccagcag	ttgccccatc	tgctcaagga	240
tgtgggctct	cttgatgaga	agatgaagag	cttggatgtg	aatcaggact	cggagctcaa	300
gttcaatgag	tactggagat	tgattgggga	gctggccaag	gaaatcagga	agaagaaaga	360
ctgaagatca	ggaagaagta	aagccgcctg	gctgagatgg	ggtgggca		408

<210> 12958

<211> 200

<212> DNA

<213> Homo sapiens

<400> 12958

aatttcgacc	tgtcctttcc	cgaggagttag	cgatccctca	acccctgcac	tgcgctagtc	60
ctaaagagga	aatgtctcta	cgctgcgggg	atgcagcccg	caccctgggg	ccccgggtat	120
ttgggagata	tttttgcagc	ccagtcagac	cgtaaagtc	cttgccagat	aaaaaaaaagg	180
aactcctaca	gaatggacca					200

<210> 12959
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 12959	
agaagatggg	gaaagaggaa
gaacggacag	aagatcagga
gattggtgag	ctgagtggag
tgctcatacc	tgggaaggat
ttacagacct	tgtgggatta
tcttgcattc	aaggctcatt
tctccatctc	aaagtacaca
	gacacacaca
	cacacacaca
	cacacacaa
	60
	120
	180
	240
	300
	360
	409

<210> 12960
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 12960	
atgagacgca	ttacggagat
gaggaggtga	cagctgtaca
	cac
	60
	83

<210> 12961
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 12961	
ttcgagacca	gcctggtggc
gggagaaaagg	ggaaggctgg
tggatgggga	gtgctgggtt
tgagactatc	acaggagtga
tggctggtgt	gtggagccca
ggggagaggc	tgagatgttg
ggcctcctcc	tgtgtgtaga
	nt
	60
	120
	180
	240
	300
	360
	382

<210> 12962
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 12962	
aagaccgagg	ccgccgcagc
cctcggttag	cgccccggg
gctgtctctg	actgtcyctc
acacaca	
	60
	120
	180
	187

<210> 12963

<211> 194
<212> DNA
<213> Homo sapiens

<400> 12963
acgagcgtcc tagcagtgtc actgcgtggg ttggtttgtg tagagaggcg tgagcgagcc 60
cgttgtccgg agtgcacctg ctgcctgttc tgccctccc gggagcccc gccgctgtcg 120
ccgtcgagtc gccatggaag tgcagaaaga ggcacagcgc atcatgacct tgctcgggtgtg 180
gaagatgtat cact 194

<210> 12964
<211> 115
<212> DNA
<213> Homo sapiens

<400> 12964
aagatggcgg acgagaagga cagggaagag ataatagtag cagaatttca caaaaaaatc 60
aaagaggcat ttgaagtctt tgaccatgag tcgaataata cagtggatgt gagag 115

<210> 12965
<211> 150
<212> DNA
<213> Homo sapiens

<400> 12965
caaggtagac agtgtctacc accacagtgg ccataccaaa gaggctaccg attccttcct 60
gctacctgga tccctgaagt tgccctgggc tctgcacctt ctaaacctag tkcttaagag 120
ctttccatta catgagctgt ctcaaaaccc 150

<210> 12966
<211> 439
<212> DNA
<213> Homo sapiens

<400> 12966
tcacagtgtc ctgagaccac ttcattgtct ccccttgaac ccaaagagtc ctccctcaca 60
gctgttttct ctctgcaac aaagaggctt tctcatttt caaggctttt tcaataactt 120
tccacctctt ctagaatctt gccctaattt ttctcttatt ttctaataatt tttaaactct 180
tcttctctcc ctagatcctt gtctgtctgca ttcagataat gcacaaatct tctttatccc 240
agaaaaatct gctgtctggg taattcactt tcattcattc atttcttttc ttctcaatag 300
gttgtctata tgtttctttt tctctttacc tacacacct tagcatggta ttagagcatg 360
tgatttaggg tcccatcac eggtttttga gtnctggtgc cactttgaag tcattttgta 420
atctttgtca aattacttg 439

<210> 12967
<211> 150
<212> DNA
<213> Homo sapiens

<400> 12967
gtttaacctt ttntaaggat ataaaaaatt cattggaaag tgtgtatatt tcaaagactc 60
tcaattatct ggactgaagg cactgttctc actatggcca gatgaatggg agtattctgt 120
acatgaatca tgctgtatct taaatcagga 150

<210> 12968
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 12968
 ggtcttagcc cctctgtagg gaaagagggt ccgccatggt ccccggcggc gccccgcttg 60
 gctctggtag ccgccgcccc gcc 83

<210> 12969
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 12969
 agaaagggtt cagagtcagg cacaggcrgg cagacaggac cccaagcagg actggccttc 60
 cagacaggaa agagggttgc ggagacacag gaggccagtt gagagtggca gaggagaaag 120
 gagtttcatg ggaggatggg gcttggagag agatgaggga gggaaaacgg gggccgcat 180
 gcatactcag cttccggg 198

<210> 12970
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 12970
 aacatttcac catggaatat gaagtcaaga aagggaagaa gggctttgta tcccccatcc 60
 gaaggctggg gttccccaaag gccgggcgcc gggcagcctg taggagcagc gtgagcgccg 120
 gccccctgcac tcgatgcccc ttatcccc cgactacctc atcgaccccc agattctgct 180
 gtgtgactac ctggagaaag aggtcaagtt cctgggccac cttacctggg tgacttcctc 240
 actgaacccc tccagtcggg acgagctcct gcagctgcta gacaccgcca ggctgaagga 300
 gctgccgctg aagaccacgg cggasaggac agcatcctga gcctgtctgc ccgctgcctg 360
 ctgctcactg gggnncgaca atgaagagct cattctgcga atccctacgc acgagatcgc 420
 cgccgcctcc tacctgcagg acga 444

<210> 12971
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 12971
 agagacgtca ccggtgcgc ccttcagtat cgcggacgga agatggcgtc cgccaccgct 60
 ctcatccagc ggctgcggaa ctgggcgtcc gggcatgcac ctgcaggga agctgcagct 120
 acgctaccag gagatctcca agcgaaacgg ggtttcacca tgttgccag tctggtctcg 180
 aactcctgac ttcataatcc gcctgcctcg gctcccaaa gtgctgggat tacagaactc 240
 agcctcctcc caagctccct gtgggtccta gccacaagct ctccaacaat tactattgca 300
 ctgcgcatgg ccgccgggaa tctgtgcccc cttccatcat catgtcgtcg cagaaggcgc 360
 tgggtgtcagg caagccagca gagagctctg ctgtagctgc cactgagaag aaggcggtga 420
 ctccagctcc tccyataaag aggtgggagc tgctctcgga ccagccttac ctgtgacact 480
 gcaccctcac ggncaaccga ctactttgcc tccttgratt tcctccaggg agaatgtgac 540
 ctaa 544

<210> 12972
 <211> 584

<212> DNA
<213> Homo sapiens

<400> 12972
 attaagaaga tgggttttgtt attaaatagc attaaactgg aattgacaag agtgttgagc 60
 atccctgtct aacctgctct tttctctttg gtgccccctta tctcaccctt tccttggaat 120
 ttaataagtc tcaggcattt ccaattgtag actaaaacca ctcttagcat ctctcttagt 180
 attttccatg tatcaggaaa gaggtgtctt atgtaggag ggggcaagta tgaagtaagg 240
 taattatata ctactctcat tcaggattct tgctcccatg ctgctgtccc ttcaggctca 300
 catgcacagg aatgctacat gatggccagc tgcttccctc cttgggtatc atccactgca 360
 gctgctagtt agaaagggtt ggagggatga cttttagtaa atcatgggga ttttattgat 420
 ttattttcac ttttgggatt ttgtggggtg ggagtgggga gcaggaattg cactcagaca 480
 tgacatttca attcatctct gctaataaaa agggttcttt ctcttggggg aaatgtgtgt 540
 gtcagttctg tcagctgcag ttcttgata atgaagtcaa tgcc 584

<210> 12973
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 12973
 aatcgctcgg gtgcagcgca stcagcgag gcatgcggcc tttcggcagc cgaacggccg 60
 cggcagttca ggacaaagag gtgtgggag gccactgggc cagctggtaa catcatggca 120
 gakaaagtga acaacttcc 139

<210> 12974
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 12974
 aaaataattg ctatgccgta cattcagagt gccccctccc ctgcaaggcc ttgccatgat 60
 taacaagtaa cttgttagtc ttacagataa ttcatgcatt aacagtttaa gatttagacc 120
 atggtaatag tagttcttat tctctaaggt tatatcatat gtaattttaa agtattttta 180
 agacaagttt cctgtatacc tctgaactgt tttgattttg agttcatcat gatagatctg 240
 ctgtttcctt ataaaaggca tttgttgtgt gagttaatgc aaagtagcca agtccagcta 300
 tatagcagct tcagaaacat acctgaccaa aaaattccca gtaaccaggc atgatcaatt 360
 tatagtgtgc gtttacatct aataattatc aggacttttt tcaggagtgg gttataaaaa 420
 cattcaagtt 430

<210> 12975
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 12975
 ggatgttcgg ttctgtctgc cactgctgcc gccgcccccg gagctgctgg tttcattcga 60
 ggtttcgggc cgctcctggc cctgcggagc tcagcgtcta ataattctcc cgggtcttct 120
 gattgcctga aagagtcggg acgggttcggt tgattgtgtt tcccggttag gactcgggtg 180
 aggagatcca tcgaaccact cgctcaggag gatgccagcc cccatcagat tgcgggagct 240
 gatccggatg gtccggacac cccgaacct 269

<210> 12976
 <211> 287

<212> DNA

<213> Homo sapiens

<400> 12976

atcagttgat	tcttagtttt	ttcatctggt	aagtagaacg	tactattact	taccttaaag	60
agtggctttg	agaattttgt	aaggaacaaa	catgtttttg	ttctggaata	taggaggtgc	120
tcaataaaaag	ttgactctga	ctggcaata	atattgtttt	gtaaatgcat	gatgattatt	180
tttgccata	tttgacttag	tttcattagg	ctaataataa	ttggtactat	atgaaagtga	240
gtcaactaat	tataaaagat	tagaaatgtc	ttaggtgacg	atggggg		287

<210> 12977

<211> 231

<212> DNA

<213> Homo sapiens

<400> 12977

cagttgctgt	atgagcctgg	cctgggtgcaa	acacattgct	agagacrtgt	taaagagttc	60
caggtgaatc	aagcctgagg	gagacaacag	caaacgata	tgtgtcacia	agatgtctac	120
acggaactgc	caggggaatg	actcagtgat	caaaccctg	gacacaattc	ctgaggataa	180
aaaagtcaga	gttcagagga	cacagagcac	ttttgacca	tttgagaaac	c	231

<210> 12978

<211> 228

<212> DNA

<213> Homo sapiens

<400> 12978

tgttaaaata	gaaaattttg	aggaaaaatg	gaaatagggt	ggaaaagtac	tcggtaaaca	60
gtagtaacca	aataattttca	ctccagattt	gtgttttctc	tggcacagag	tagatctttt	120
ggkaaata	tatgaaagt	gattaagttt	gactaccctt	atgttagcca	catctggatg	180
agaacagtta	caaagagttt	ggtctctaag	ttgatttgta	cccagtgg		228

<210> 12979

<211> 185

<212> DNA

<213> Homo sapiens

<400> 12979

gtgttgccca	gggtgggtctc	gatctcctga	ccttgatgat	cgctgcttc	agcctcccga	60
agtgtctgga	gccaccgcgc	cccttaattg	aagttttaat	taaggcatta	ctaagataga	120
agtccactgc	tctcctcaag	aatttgagta	taatgcaaga	ttataactaa	agataaacgt	180
aaaaa						185

<210> 12980

<211> 244

<212> DNA

<213> Homo sapiens

<400> 12980

tcttgtttgt	ttcttgagct	acctgttacc	tctctcagtg	aggggaagtta	aagctgcagc	60
aggagcttgg	agagcttttt	caactgcgtt	gacagctctt	attgtcacac	cttagttcat	120
acgctatcta	taggcgacta	ttgtttcagt	gggttggtgt	ttataaagt	ctaacaaggc	180
ttgagacata	aagatactat	tatttcaggt	gacactactt	ggtatgaatc	tgtagcttct	240
caca						244

<210> 12981
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 12981
 gttttaataa ctgggtttgt gttggaaggc tgtgattttc acttatttaa atagtattag 60
 gttctcatat gtaaatgata tggcctaaag atagaaccct cccccca 107

<210> 12982
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 12982
 atgataaatg cttgtagtat aatggtgtaa ttgaatctga agtattgcat taaagatagg 60
 ccatagcatc ctcccatcag ctttgatact tactctctca ggatcatgat ttgctattct 120
 ttataaggat catttttctc attatcagtc a 151

<210> 12983
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 12983
 aaggaaagaa gaacgnaaga aaaaagagaa gaggagaaat gaaaagaaag aaaaagagga 60
 aggaaggaaa gggaaggagag gcaggctgtg gcaactggga tatagaataa agtgacagca 120
 ggattagggg gaaattaawc cagggtggatc tgacctaatc tttgaaagat atgatggaaa 180
 gggaaggagag gcaggctgtg gcaactggga natagaataa agt 223

<210> 12984
 <211> 565
 <212> DNA
 <213> Homo sapiens

<400> 12984
 gtttccgggt cgcctccgga gccatggcgg cggcactgaa gtgtctactg acattaggaa 60
 gatggtgccc cggccttgga gtggctcccc agggccgggt gagtgcctac attccttctg 120
 gtcggagaga ctctggatct gcagagacat ctccgcgcag aggaggagcg ctcttggcag 180
 ccccttagcg attgccagca actttccttt ctgccaggaa atcaacctac ctttctctgc 240
 ctgcaggcgc tcgcgcctt agtacccgga gtgaccagag tagataacaa gtccgggttc 300
 ctgcagaaga ggcctcatcg ccagcaccct ggcacctaag agctgccgca cgtgcggctd 360
 gccacaggca ctggctaacg gtgcccagtt attgctactt gggagcgtcg ggccactat 420
 ggagaatcag gtgcaaacac tgaccagtta tctctggagc agacatttgc ctgtagagcc 480
 agaggagtgt caaagacggg ctagcrtctt gagaaaaaat tcctggaaaa ccagactta 540
 tctcagacag aggagaaact tcgtg 565

<210> 12985
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 12985

cttcgtaagt	ggctgcttg	cctcccaagg	gccggtgggg	atgccgcccc	agtcccccg	60
cgggtctggc	gtaggtacag	gggtctcaac	tgggcgactg	aaggccgtag	tagcgtcttg	120
gttggtccgt	aagctttttt	gagatagttg	tyagcgtcta	aaagatgtcc	agggtgctgc	180
agaaggacgc	ggasag					196

<210> 12986
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 12986						
cactctgccc	tggtgctgtc	gcgccgctgc	tggttgctgt	ccctggaccc	ctaccatgga	60
ggagaccatc	aaagatcccc	ccacatcagc	tgtcttgctg	gatcactgtc	atttctctca	120
ggtcatcttt	aacagtgtgg	agaagttcta	catccctgga	ggggacgtca	catgtcatta	180
taccttcacc	cagcatttca	tccctcgtcg	aaaggattgg	attggcatct	ttagagtaag	240
tggttaattc	agtaccaagt	gatcaggaac	tagaggatgat	tcttagttac	ctaactgtgt	300
gactctctgt	gtattataag	cattttgtat	aatatgtgkk	ggcagttttt	aaattctagc	360
caagctccac	agcactttct	tcttcasaca	ttaatgtggg	gctgtgggac	tcaaattttc	420
atttcagtgt	caagctaaaa	t				441

<210> 12987
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 12987						
actacacttg	ttaccgcttg	tccctgagcg	ggagagggcg	agctcggggc	gcgggcaggg	60
cgggagcccg	cagccggcaa	ccaagggagg	cagaaaggca	caaagatcgc	aataatatcc	120
gttataaccc	gctatctaac	cccacccmca	a			151

<210> 12988
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 12988						
cgtggtgagc	ccgaggtcac	acagtcagaa	ctgaagaccc	tgtctccagc	tcccagcgac	60
agcttgttct	cccacacgtt	ctttcaagtc	ctcatggccc	atcgccctg	caaagtgcc	120
agtaaagatc	gtagtcaccc	ttttatgtct	gcctttccaa	ttttcctggc	caatttgagg	180
ccttcccctc	cttggaactg	gcagaggcac	gtctcccgtg	ggaagcactg	ctgaccaccg	240
cagcgactct	ggcttctcac	gttgtgcacc	atccccagcc	ttgtactacc	aagtgtggcc	300
tgaggaccag	tgggacccgc	atcatcgga	agattgtgag	aaatgcctta	gcattgcccc	360
actcaac						367

<210> 12989
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 12989						
agatttttac	ccaggtgctg	acagctgcag	aagaaattgt	acatggtgct	gtacagaagg	60
tattttctcc	ctgtgccatc	tgcagagtga	aactgactag	gagtactaca	tagactgtac	120
tactgagcga	gtgtgcttga	tccagggaac	ggttgaagca	ctgaatgcag	ttcatggatt	180
cattgcagaa	aaaattcag	aaatgcccc	aaatgtggcc	aagacagAAC	cagtcagcat	240

tctacaaccc caga

254

<210> 12990
<211> 104
<212> DNA
<213> Homo sapiens

<400> 12990
tatagagaaa catttttttaa tccatttgcc taaagatgag agcattaagt agaacaatta 60
aagggtggatt attgctgtta tgtgatcatc caaaacaaac agat 104

<210> 12991
<211> 329
<212> DNA
<213> Homo sapiens

<400> 12991
cccattcata cacctataaa tctctaacaa gagggcccttt gaactgcctt gtgttctgtg 60
agawacaaat atttacttag agtggaagga ctgattgaga atgttccaat ccaaataaat 120
gcatcacaac ttacaatgct gctcattgtt gtgagtacta tgagattcar atttttctaa 180
catatggaaa gccttttgtc ctccaaagat gagtactagg gatcatgtgt ttaasaaagg 240
ctacgatgac tgggcaagaa gaaagatggg aaactgaata aagcagttga tcagcatcat 300
tggaaacatgg ggacgagtga cggcaggag 329

<210> 12992
<211> 231
<212> DNA
<213> Homo sapiens

<400> 12992
cagaatgctt gtattagcta gttctatgaa ataaccatag cttattcttt ttttcatttc 60
atgttttgaa gaagaaagaa gattggatat agatgagaaa cctctagttg tacaactgaa 120
ttggaacaaa gatgatcgagg aaggcagatt tgtttcttaag aatgagaatg acgccattcc 180
tcctaagtga aaattctcga ctggctgctg aggttttaca agacatgccg g 231

<210> 12993
<211> 455
<212> DNA
<213> Homo sapiens

<400> 12993
cggaagtgan cgtgttgtgg cggaaggagg agcnttctgg gagtagccgg tgcwgagaga 60
accgtggctg gcaaagatga ttcaggcgat tctggttttc aacaaccatg ggaagccacg 120
gctagtccgc ttctaccagc gtttcccaga agaaattcaa cagcagattg ttcgagagac 180
tttccatcta gtctcaagc gggatgacaa catctgtaac ttcttgagg gtggaagttt 240
gattggtggc tctgactaca aactgatctw ncggcamtan ngctaccctc tactttgtat 300
tttgtgtgga ttcttcagag agtgaacttg gaatcttgga cctcatccag gtttttgtgg 360
aaactctgga taagtgtttc gaaaatgtgt gtgaattgga tttgatcttc catatggata 420
aggtscacta catctccag gaggtggtga tgggt 455

<210> 12994
<211> 237
<212> DNA
<213> Homo sapiens

<400> 12994
 atgcgcgtgg cgggcaggcg gcaggaggcg ggtgggtcaa ggtaactctg ggctacagag 60
 tccttgctgg ggggttcgggg agcgcttgga ccccggttc tgggacgct caggagaagg 120
 gagcactggc tttgctttca tcaggccaaa gatgcctttc tttgggaata cgttcagtcc 180
 gaagaagaca ctcctcggga agtcggcatc tctctccaac ctgcattctt tggatcg 237

<210> 12995
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 12995
 aaaactctgg gcaggatcca acgtcgctcc agctgctctt gacgactcca cagatacccc 60
 gaagccatgg caagcaaggg cttgcaggac ctgaagcaac aggtggaggg gaccgcccag 120
 gaagccgcca tggaccagct ggccaagacc acccaggaaa ccatcgacaa gactgctaac 180
 caggcctctg acacctttctc tgggattggg aaaaaattcg gcctcctgaa atgacagcag 240
 ggagacttgg gtcggcctcc tgaaatgaca gcaggagac ttgggtgacc ccccttccag 300
 gcgccatc 308

<210> 12996
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 12996
 cttatggctt tcttacatca atattgttat gtcctagaca cttatctga aattacggct 60
 tcaaaattct aattatgtgc aaatgtgtaa aatatcaata cttatgttc aagctggggc 120
 ctcttcaggc gtctctgggt gagagagaaa gatgctagct ccgcaagccg gagagggaac 180
 accgccacat tgttacacgg a 201

<210> 12997
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 12997
 gaaagatgga ggtgtgggga caggagctgg gtgtgctggg gactggccgc ggaccccyaa 60
 cctgtgtctc cggctctccct ccgggagcgg ctcaaccag cccatcgctc tggccccgtt 120
 ctggccctgc aggggtggtg ttgggacgtt gaaatgagcg cgcgagtggg acgtcctctc 180
 tccgcgctca cgccccctc ctcaccgtgt ttcccgccag gaccatcagc acgtgcccac 240
 cgacatcca 249

<210> 12998
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 12998
 acagaagctg gcgtacaggt aaagatggca gctaccatgt tccgggctac gctgccccga 60
 tggagaaccg gtgtccagcg gggctgcggg ctacggctgt tgagccagac ccagggccct 120
 ccagattacc c 131

<210> 12999

<211> 179
<212> DNA
<213> Homo sapiens

<400> 12999
agttgctttg aggcagtacc ggaggagaaa gatggcggt accttactag ctgctcragg 60
agccgggcca gcaccggctt gggggccgga ggattcactc cagactggga aagccgagaa 120
gtttccactg gggtaggaa ggaatcgggg ttcattaggac gtgcacaagg cctgacgcg 179

<210> 13000
<211> 149
<212> DNA
<213> Homo sapiens

<400> 13000
gtacaacttc cggctgtaaa gatggcggt tcttagtgag tcggcggtg atttagaagg 60
aggttcaggc tacggtgagc cgaagccaca caggagccat ggaagtggca gagccagca 120
gccccactga agaggaggag gaggaagag 149

<210> 13001
<211> 504
<212> DNA
<213> Homo sapiens

<400> 13001
ctacgcgggg caggccagcc ctggggcgcc ttaaaaaccg gagctggcgc ttggcatcgc 60
cactctgggc aggatccaac gtcgctccag ctgctcttga cgactccaca gataccccga 120
agccatggca agcaagggtc tgcaggacct gaagcaacag gtggagggga ccgcccagga 180
agccgtgtca gcggccggag cggcagctca gcaagtgggtg gaccaggcca cagaggcggg 240
gcagaaagcc atggaccagc tggccaagac caccaggaa accatcgaca agactgctaa 300
ccaggcctct gacacctct ctgggatttg gaaaaaattc ggccctctga aatgacagca 360
gggagacttg ggtcggcctc ctgaaatgac agcagggaga cttgggtgac ccccttcca 420
ggcgccatct agcacagcct ggccctgatc tccgggcagc caccacctcc tcggtctgcc 480
ccctcattaa aattcacgtt ccca 504

<210> 13002
<211> 207
<212> DNA
<213> Homo sapiens

<400> 13002
taaaataaat acatagacaa ctatgatata agctggggct tgtaggtgc ctcaggaaga 60
tgtgaagtgc tgcgatactt tggaaatagag ggaatgctta tagggttaga agagagcatg 120
aaaggcttta tgagataact ggatgagtgg gcttttagaa ggagctgatg aaagatgggtg 180
tgaggagtgg acacttcagg aggagag 207

<210> 13003
<211> 255
<212> DNA
<213> Homo sapiens

<400> 13003
actcactgtc tccaagatgg cggccgtgtc agtttggggc atctccgcgg tccggcccgg 60
ggccccggga tctcggctgt ccttcctccc ggcataagat gcacattttt ctgctctgga 120

gccgggaatg aaatattctt gagttcttac aactttatga cgagacccat gtgtgggtgct 180
 attgagaaat tcattgggaa gttggaagac atttcaawca acaggttggt ttggtttcta 240
 tagtacaatt ggggt 255

<210> 13004
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 13004
 atttttaatc tttattaggg ttagttggta caatgcttcg ttgtatttag taagccttta 60
 caagacttgt taaagatgac agagtgcgcc aagctgccgt tccttccctt cctgccccac 120
 aagct 125

<210> 13005
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 13005
 caaattagtg tttaaaccca tttgcatatt gacttgctcag tacctttaac tcaatttaat 60
 ataacaagaa atcgtaaaat acttataacc tatcttagag aaatgagtg tggttttgrg 120
 arttgggttt ttaactgaaa gattatttct agatgggtag tgctttgtgc tggtttctgc 180
 ttccatatat ttcccagtc ttttaattag agaagatact ctatggtaga actaaggcct 240
 ttcttttctt ggccaaagtc tttaccctat ttaacccttt gtatatttct gactgctcac 300
 tgttcatatt atagggga 318

<210> 13006
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 13006
 actttgtctc tgttctccag atattctggt aggaggccag gaggggttagg gtttcctttg 60
 ccctgccctg ctattgggtc cttctctggt caaagattca gctctaacaa aggaagggtc 120
 cacctgtgag acctgttctg aggaccagcc ctgtaccttt cccccataac aactttgaac 180
 tcagtctcta gcttcttttt taaaaaatat tcttttttta ttttttaaag atgggttctc 240
 actcagccac ctaggctgga gtgcagtggc acagtcataa ctccctgtgct caagcaatcc 300
 tctgcctg gctcccagg tagccgggac tatagggtgca caccactgtc cccagcttga 360
 actcagtctc taacctactt ccttttctct tttcacttcc aggt 404

<210> 13007
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 13007
 gttgcctgag taaccgtatg atgggtgggtg tgggtggtgc ttctgtctc aacgatacct 60
 attttctagt gctgagatcc tgagacaatg aatcatagtg aaagattcgt tttcattgca 120
 gagtggatg atccaaatgc ttcacttctt cgacgttatg agcttttatt ttaccagggt 180

<210> 13008
 <211> 194
 <212> DNA

<213> Homo sapiens

<400> 13008

aattttgaaa	gattgcatga	tttcttgaca	gaaatcgatc	ttgatgctgt	ggaagtagtt	60
tgaggaacat	cctatgagtt	ttcttagaat	gtataaagg	tgtagcccat	ccaacttcaa	120
agaaaaaaat	gaccacatac	tttgcaatca	ggctgaaatg	tggcatgctt	ttctaattcc	180
aactttataa	acta					194

<210> 13009

<211> 372

<212> DNA

<213> Homo sapiens

<400> 13009

aaacgtgcgc	aggcgccggc	cgctgcgctg	cagatggcgg	aaatggatcc	ggtagccgag	60
ttccccagc	ctcccggtgc	tgccgcgctg	gctgaggccc	ttctgcgatg	ttttacctgg	120
ctgcggctgt	gtcagatttc	tatgttctct	tctctgaaat	gcctgaacac	aagatccagt	180
catctggggg	cccactgcag	ataacaatga	agatgggtgc	aaaactgstt	tcntttgggt	240
aaagattggg	ctcccaaagc	atattataat	tcctttaagt	tggagactga	ccccgccatt	300
gtaattaatc	gagctcggaa	ggctttggaa	atattatcag	atcaagtggg	ggtgggcta	360
atccttgagt	ca					372

<210> 13010

<211> 380

<212> DNA

<213> Homo sapiens

<400> 13010

catggattaa	ctcttaatcc	tcagctaccg	tatacagtag	gacataaccc	catttcacat	60
gcactacact	gagacttgcc	tcctctcccc	ccacattgaa	gatgttcttt	tttcataact	120
atatactatt	ccattgcatg	aatattctgt	aattttattt	atccccctat	gattgataat	180
taggttcatt	atagatagaa	gtgtaattaa	catttcctgt	catgtatttt	gctacttgtg	240
tgggtatttc	tgtaggatga	ataactagaa	atattattga	tcagggtttc	catttgcagt	300
tttgaaaact	actaccaraa	agatttcacc	aattttaca	tccatcatta	gtaagaatgc	360
ctgktgcct	atagtccgcc					380

<210> 13011

<211> 544

<212> DNA

<213> Homo sapiens

<400> 13011

gcattctggg	gaaggagcag	caccaaatac	aagatggcgg	ccagcaggag	gctgatgaag	60
gagcttgaag	aaatccgcaa	atgtgggatg	aaaaacttcc	gtaacatcca	ggttgatgaa	120
gctaatttat	tgacttggca	agggttatt	gttctgaca	accctccata	tgataagggg	180
gccttcagaa	tcgaaatcaa	ctttccagca	gagtaccat	tcaaaccacc	gaagatcaca	240
tttaaaacaa	agatctatca	cccaaaccat	gatgaaaagg	ggcagtaatc	cagtccctca	300
tagcactgg	gaatgacccc	cagcctgagc	acccgcttcg	ggctgacct	gctgaagaat	360
actctaagga	ccgtwaaaaa	ttctgtaaga	atgctgaaga	gtttacaaag	aaatatgggg	420
aaaagcgacc	tgtggactaa	aatctgccac	gattgggtcc	agcaagtgtg	agcagagacn	480
gcgtgcagt	cattcagaca	ccccgcaaag	caggactctg	tggaaattga	cacgtgccas	540
cgsc						544

<210> 13012

<211> 155
 <212> DNA
 <213> Homo sapiens

<400> 13012
 aaagcaacca atttttaact ttctcttctc attcctgttt tcattgattt cccacatgta 60
 gtccttttgc tcaggaagtc tttggggaaa ttaaggatct ttgaagctct gaaatagggtg 120
 atcaggtttag tgggtgtctgt cagctgtcta agtgg 155

<210> 13013
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 13013
 atattgaatt tctgattcat aatgagaaac atcttttact ggggagccat gtcattttta 60
 gaatattctg gatataccaa gaacagctgc tgggaatcag ctttctttcc attcataata 120
 ttgagcccga gttggtctcc tgggtcctttt gcagcagaca gaatgcttgt gcttggagat 180
 gcccaccccc ttctctcattt gcatgctggg cttctccaat ctgagcactt atcagtttct 240
 tcagtagaga tcactactg aacaagtttg aactggcagc aaggacttca gggtcaggct 300
 tctggagatg ggtcttagct ccactgctta ctacgtcacc ttgggtgaaa gcaactcaca 360
 atactacccc aattcaaagg atgtgaaata ccttcacact gttgatggca ggagct 416

<210> 13014
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 13014
 ctgatggtga cagtgatatc cagatgtctt gcagcaggct tggcctgtcc aatgctgtca 60
 cttccttctg tctgtctttt atctgagctt gggaggtagt ttgagaagtc gctggtgcag 120
 ttatggaggg gtggggaaag caagatccct ttggagagga gctaacaggg tttcctgccc 180
 cagagctctg ccaccactca gatgccca ga acctgccc 218

<210> 13015
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 13015
 gccatcttgc gtacrgaggt gaggtttggt accgcgattc tgagaggtgg gcttttagtc 60
 cctccagacc tcggcttttag tgctgtctcc gcttttcttt caccttcaca gagatgtctt 120
 atggtgaaat tgaaggtaaa ttcttgggac ctagagaaga agtaacgagt gagc 174

<210> 13016
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 13016
 tgttattttt aagcntctgt taatttttcc agaagtttag tgcgtttctt ttccatactt 60
 tctcccctaa ttcttttatt tgaagaagag aacttaatgg caaataaaca acaaaccagg 120
 acatgcattt taatacccta aggaaaaatg gaacctcaa atataactcc tcccacaacc 180
 accctaagt gctcagctc ggggcagcag gtggacttct caatagttct tttccacatt 240

ctctacaaat	cacatctacc	gttaaggaat	atgttatgaa	tcctttctkk	taattgagaa	300
agcaatgtta	ttgtctgtga	tttccagtct	ttgttcattt	tattatccct	gtcaaataat	360
gtaatatggg	tacctgcagt	tgaatttgta	atattgtaat	tgaatttttt	agttgatctt	420
cgatcagttt	ttatagca					438

<210> 13017

<211> 176

<212> DNA

<213> Homo sapiens

<400> 13017

ctcgtaatcc	gcccgcctcg	gcctcccaaa	gtgctgggat	tacgggtggt	tgccaccgcg	60
cccagcccaa	attattacat	tcgtaagaca	gacacctctt	agaatctata	tatatgaggt	120
tttactccct	tttctacact	cagtatgttt	taattgatgc	aaagcaatta	attggc	176

<210> 13018

<211> 403

<212> DNA

<213> Homo sapiens

<400> 13018

ccttgaagct	cttgcccggg	gacctcacc	aggttcagaa	gaatttttca	cacttggttg	60
atagatcaac	agcaatagcc	cggaagatgg	gctttcctga	aatcatactt	gccrggagat	120
gttcgaatga	matttatgtc	actgatccac	ggtagagttg	acaaagggaa	gaagaagacg	180
ccaaagaatg	tggaggtgac	gatgtctgtg	cacgatgagg	agggcaagct	cttgagagaa	240
gcaattcacc	ctgggtgctg	atatgaaggc	atttcagaat	acaaatcagt	agtctattac	300
caagtcaagc	agccctgttg	gtatgagact	gtcaagggtat	ccattgctat	agaagagtca	360
cacgctgtca	tataagattt	accttccgac	acaggtcatc	tca		403

<210> 13019

<211> 361

<212> DNA

<213> Homo sapiens

<400> 13019

aatggaagca	ggctgcccac	agcacacagc	gccaatctgc	tgggtgtcctt	ttccacacgg	60
tggaaggtcg	ttttgctggt	tgcaataaat	cttgctgctg	ctcacttttt	gtgggtcccc	120
cagctttatg	agagtaaac	tcaccttcac	aaagggtctgc	agcttcactc	ccgaggtcag	180
cgagaccacg	aactcacagg	aaggaatgaa	gaactgcaga	cgcgctgcct	ttaagagtgt	240
gacactcact	gggaaggctc	gcagcttcac	tgctgaagcc	agtragacca	ggaacnnamm	300
gggaggggat	aactactccg	gaaggaacca	acaactccag	acgcgctgmm	tctaagagct	360
g						361

<210> 13020

<211> 336

<212> DNA

<213> Homo sapiens

<400> 13020

atcttctggg	cgggtgctgtg	cagcgctgcg	gycggamtca	cgggtccgga	agcaccatgg	60
acccccgggg	aaacgcgccg	gcggsnaagg	agccgagccc	catcttgatg	tggaagaaat	120
ggaggactca	gaaccaagga	tttccaagtg	atctcttcca	aagcacagga	atctcactct	180
gttaaagctg	gtctgttcta	actgagatga	cagtcagtgc	cctttccagg	gacctcaagg	240
acgactttca	cagtgacacg	gtactctcca	tcttaaatga	gcagcgcatc	cggggcattt	300

tatgcgatgt cactatcatt gtggaagata ccarat

336

<210> 13021

<211> 245

<212> DNA

<213> Homo sapiens

<400> 13021

atttaagcac	gactctgcag	aaggaacaaa	gcaccctccc	cactgggctc	ctgggtgcag	60
agctccaagt	cctcacacag	atacgctgt	ttgagaagca	gcgggcaaga	aagacgcaag	120
cccagaggcc	ctgccatttc	tgtgggctca	ggccctact	ggctcaggcc	cctgcctccc	180
tcgggaangc	cacaatgaac	cggggagtcc	cttttaggca	cttgcttctg	gtgctgcaac	240
tggcg						245

<210> 13022

<211> 145

<212> DNA

<213> Homo sapiens

<400> 13022

gcacgagtat	acatccagga	gcatgctaca	ttcaatttca	atgctgtgga	acaccttggt	60
tcattgaagt	tttactacac	tacaatacca	tattatacga	gttactcaaa	gcacctaattg	120
agaagtgcaa	gtcttataaa	ctaag				145

<210> 13023

<211> 382

<212> DNA

<213> Homo sapiens

<400> 13023

ataaactgac	gatatacagg	cacattatgt	aaacatacac	acgcaatgaa	accgaagctt	60
cgcggcctgg	gcgtggtctt	gcaaaatgct	tccaaagcca	ccttagcctg	ttctattcag	120
cggcaacccc	aaagcacctg	ttaagactcc	tgaccccaag	tggcatgcag	cccccatgcc	180
caccgggacc	tggtcagcac	agatcttgat	gacttccttt	ctagggcaga	ctgggagggt	240
atccaggaat	cggcccctgc	cccacgggcg	ttttcatgct	gtacagtgc	ctaaagttgg	300
taagatgtca	taatggacca	gtccatgtga	tttcagtata	tacaactcca	ccagaccctt	360
ccaaccata	taacacccca	cc				382

<210> 13024

<211> 108

<212> DNA

<213> Homo sapiens

<400> 13024

ctttttcagc	gcctgcaggt	tccgggaggt	cagctcccag	ccgaggacgt	cggatgtcat	60
cgtccttgtc	aatctgacgt	tcggggcttc	cacaggccct	ggctattg		108

<210> 13025

<211> 336

<212> DNA

<213> Homo sapiens

<400> 13025

cttttcagcg	cctgcaggtt	ccgggaggtc	aggttgatt	cctggcgggt	cgtctggctg	60
------------	------------	------------	-----------	------------	------------	----

gggtgggcccc	ggaggtcgtg	gctcgggagc	agggaggcgt	agggggggccg	gcctgctgtg	120
atgacattcc	aattaaagca	cgtgttagac	tgctgacgcg	ggtgatgcga	actggagtct	180
gagcctgccc	gagcggastg	ggagggggct	ggcgggcggg	cgcgcgcaca	cccgcctgatc	240
tatcactctc	gttctttag	ctcccagccg	aggacgtcgg	atgtcatcgt	ccttgctgct	300
ttgccacccc	attcccgtca	ataaagtggg	ttgaac			336

<210> 13026
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 13026						
cttacatggc	cttatctgat	ttcccaataa	ccctgtaaag	tgatgactat	tgctatgctc	60
atcttactcc	acaaaattga	atctgaaagg	ttaaaggatg	gaaaaacatt	ctgtaagctg	120
caaagcacta	ggtaaatata	attatatttc	tctctct			157

<210> 13027
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 13027						
ctgacttctg	gttgttctgc	agttctctca	tccttatgaa	tctgttgtgt	tgttttgatt	60
ccatcattaa	tgactttgtg	gagactttgt	ataagctgct	gctcctatat	tttttaagaa	120
atataataaa	gcacttaggg	caggggaaat	catctcggg			159

<210> 13028
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 13028						
tcaagttcaa	attttccact	gtaaagccct	tttcagggta	gtaaatacag	attttgctgg	60
gtctgctctt	tacttgttct	tctcaagagc	ataggtttat	tataaattgt	ttgtgtagct	120
ttagcaangt	aattggaagt	gaaagcactt	tcgcaattgt	agtacactat	tccttaagag	180
gtaaatgcta	tgcccccaaa	tgatagaatc	ggagttggca	ttttatgaat	tgctctgaaa	240
tagctttcaa	ttacctgatt	ttccccattc	ttagaatcat	ttatggca		288

<210> 13029
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 13029						
cccactnntt	cttgaaagat	taagtaattt	tatttttagtt	ccattctaga	atgttgggga	60
gtggggcaca	agaaaaata	gtatagctga	aatgcatctg	ttaaaaatgt	catgattgaa	120
agcagaactg	agtttcaa	tacaacctta	aaattgktgt	tagatatctc	ttcacatctc	180
agctgccccat	tttgaaaaag	aaattatcca	taaaggtaat	gttggtgctc	caatttgcca	240
gccattccca	acccccttct	cccttacc				268

<210> 13030
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 13030
gaaatgtatg ccatgtactt tgaaagcaga atatttctaag aagaatgtgc atcctttaat 60
aaatccaata gtagtttgat agccatagaa atcttttgcc accttttcta cttttgctat 120
ttttgctgta taagattcaa gatttttagt tcttcagaat ccaactccgt tttttggtga 180
gtaaaccac ggcacctctg ccaattcatc acccctcaga gatgccaccc cagccc 236

<210> 13031
<211> 633
<212> DNA
<213> Homo sapiens

<400> 13031
agagatgacg actctgcat tctgagagtc cctggcgagc ccgggctagc gaaaagtggg 60
ggcagaacga actacatctc ccatcggtcc aggaggcggc cccgcccgtt tccccctggg 120
agttgtagtc taacccccctc ggatccaaca gcaacctcag tgcgtgaact ctgttatcca 180
gaaggcctcg ccctgccgcc gccgaagctg gaattcgctg gctagtagtt ctcgccggca 240
actagaggaa cctgttggcg tggcccagaa ggcttagcgg gattgcacga gccctcagat 300
tcatcgctac cccgaggcta agcgccatgc ctcatattga caacgatgtg aaactggact 360
tcaaggatgt ctttttgagg cccaaaccag tacccttaag tctcgaagtg aggtggatct 420
cacaagatcc ttttcatttc ggaactcaaa gcagacatac tctgggggtc ccatcattgc 480
tgccaatatg gatactgtgg gcactttgag atggccaagg ttctctgtaa gtcctaggtt 540
cctgggagtt tctgggatgt gcccaaattg gatgtgtttt tcttatatac aagttgttca 600
ctttgaaatg gaagatgctg ctccctgtcag tac 633

<210> 13032
<211> 266
<212> DNA
<213> Homo sapiens

<400> 13032
agttgcttgt gtcgmnnag ggagggaggg aacagagggc gcgcgtgtga aagctccgcc 60
cccagcccta gctcctcctt cccgcttcag caggctccagg ctctgcgcca gtgcatectt 120
ctccaagagt gcgctgcctg ggcccgttgc ccttgaggtt aacttcagca gtcaacggag 180
agaagagtgg aaaccttact ggatgctggc aggagagcca gttactgaaa gcagatataa 240
cgcggatcct gtaaagagtg gtgtgt 266

<210> 13033
<211> 358
<212> DNA
<213> Homo sapiens

<400> 13033
tctgtatatt atgggaaatt ggaagagttt ctttcttttg ttccccctct tagtacttca 60
gctgttgtaa tttttaatcc atttatgtga tcaggaaatc tttgtgttag agagaggagg 120
tggtacttgg aattgggaat atcggaatag ttttgacagg tggcagttcg aaagcagatg 180
tgtctcacag ccagagggat tagtgagagc gaactagtgg caggaaagtg ttgtaagagg 240
taggaaggaa cactgatttg ctgttaggat agggatgtga taacaggggtg gactactcgt 300
gatggttctt aactccctta gttttaattg ggtggcattt gtaaagttaa tgaatgag 358

<210> 13034
<211> 198
<212> DNA
<213> Homo sapiens

<400> 13034
 ggtccagctt tagctctctg ctgcgcgcgc ccgctgtcgc cgccacctcc tctgatctac 60
 gaaagtcatt ttacccaaca ccgggaggct ggcaggatgt acagttttta tcacagggtgc 120
 aagccgtggc attggcacaag ctattgcatt gaaagcagca aaggatggag caaatattgt 180
 tattgctgca aagaccgc 198

<210> 13035
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 13035
 agttgtactt ttagcttccc ccattcctgca aggccactca accatgtgct agctggagtg 60
 atcttttattt acaatgtctt tacaaaggct cctgcaacac agcagcaatg gcaatttggc 120
 ggacttctgc gctggggccag cgtatagctc ttactccaca ctcaccggca gccttacgat 180
 ggacgataat agaaggattc aaatgctagc agtgagtttt tattagacta ggtatgtata 240
 tcattatttaa tattttactg taaatagctt tgtaattcac acaaagtata cgggc 295

<210> 13036
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 13036
 aaattgagtg ctctggggag actttattgt tgtttgtgtg tgtgtttcaa cactacagaa 60
 taagatgtga ctgtgaccca ctaagtcctt aaaaacaata gggatatatca taagaactag 120
 aaagcctaac ttcagacact gacaagaaag caggaaatac tacgtttctc atggtagtaa 180
 gactcaggaa attcttacgc aaacaaagag 210

<210> 13037
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 13037
 gtggctaatt ccgtaggctt ttcagggtcg agccatcctg cgtgtcttgc gctcgggtgga 60
 aatgccacgc cgagggacgc gaccagagga cagctctgtg ctgatcccca ccgacaattc 120
 gacccacac aaggaggatc taagcagcaa gattaaagaa caaaaaattg tgggtggatga 180
 actttctaac cttaagaaga ataggaaagt atataggcaa caacagaaca gcaatatatt 240
 ctttcttgca gaccgaacag aaatgctgtc tgagagcaag aatatattgg atgaactgaa 300
 aaaagaatac caagaaatag aaaacttaga caagaccaa atcaagaaak agtcaacctg 360
 atttcacata acaatgtgtg gcatttggtg ttctgtaaac ttttctgctg agcatttcag 420
 tcaagattta aaagagg 437

<210> 13038
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 13038
 aaggcctcaa agcaggaaga tggatgaact tatgcaattc tgagttgact ccaatccaga 60
 tgtattttgg aactaggtag aatatgactg gtaaagcttc agcgactgaa ggagtgtgga 120
 ctttttgaat ttcaagaaca gtaaagttgg aacacagcag 160

<210> 13039
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 13039
 aggcgcacatgc gcasgggtcac tcccgcctgta tattaaggcg ccggcgatcg cggcctgagg 60
 ctgctcccgg acaagggcaa cgagcggttc gtttggactt ctcgacttga gtgcccgcct 120
 ccttcgccgc cgctctgca gtcctcagcg cagtctttcc acaggagcca gcatacttcc 180
 tgaacatgga gagggtgtgt cgccgctgcc cattcttacc ccgagtcgcc caggcctttc 240
 tgcagaaagc aggcacatct ctgttgttct atgccccaaa ctgccccaaag atgatggaag 300
 ttggggccaa gccagccctt cgggcattgt ccactg 336

<210> 13040
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 13040
 aggcgcacatgc gcasgggtcac tcccgcctgta tattaaggcg ccggcgatcg cggcctgagg 60
 ctgctcccgg acaagggcaa cgagcggttc gtttggactt ctcgacttga gtgcccgcct 120
 ccttcgccgc cgctctgca gtcctcagcg cagttatgcc cagttcttcc cgctgtgggg 180
 acacgaccac ggaggaatcc ttgcttcagg gactcgggac cctgctggac cccttctcgc 240
 ggttttagggg atgtggggac caggagaaaag tcaggatccc taagagtctt ccctgcttgg 300
 atggatgagt ggcttcttct ccacctasnt tctttccaca ggagccagca tacttcttga 360
 acatggagag tggtgttctgc cgctgcccat tcttatccca agtccccag gcctttctgc 420
 agaaagcagg caaatctctg ttgttctatg cccaaaactg cccaagatg atggaagtgt 480
 gggccaagcc agccccctcg gcattgtcca ctg 513

<210> 13041
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 13041
 agcatttggc agcaatcacc ctgggctgga gtgggcctga caggaatggg caaatcttgg 60
 ggcaggaaat ccagtcagaa gattatgacg ataaagcagg tgagagatgt tgggtgtccca 120
 agggcaaagg gggatcccat caagacatga gaaccgccac gtcgttcttt cccaatccc 180
 actgtttcta gatttttctt tctaggaggs ctgcaaatg tggttccggr agaaaatcct 240
 ccctgctatt tctccagcct tcccttggtt ccggctcggc cctgccccct taacattcag 300
 gaatgagagt ggaagcagaa ggcccaggtc cccggaggtc ccgacgcccg gattccacag 360
 cctgtgaggg tctttgagca garsggacga ggccactggc actacgtcgt gacttcasca 420
 acagcctgca gtactcgta acgagattt 449

<210> 13042
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 13042
 gaggtttgcca taagtgcctg cctctagacc tctactcttc cagttgcggc ttattgcatc 60
 acagtaattg ctgtacgaag gtcagaatcg ctacctattg tccaaagcag tcgtaagaag 120
 aggtcccaa 129

<210> 13043
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 13043
 agtcattcag ttatatgtta aataacttga agatgttttt tgttccaaga gagaagtgaa 60
 gaatgtagtt ttcaaccaa gggatgacag ctgatgagt ggctgagaaa atgcccagg 120
 gscgcgcgcg tacctctccc aaggccacag ccgacagaga catcctggct cgcctccaca 180
 aagcagtgcac ttcccattac catgccatca cc 212

<210> 13044
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 13044
 atcctctgat gtaggccttt caggccttaa atccagtggg attgagaact ttctaagagt 60
 ggtgcggctc ttgacaacat gtgggctcca ccagcagcaa tcatggggga tgggcccacc 120
 aagaaggtgg gcaaccaggc cccctgcag acacaggccc tccagactgc ctctttaagg 180
 gatggcccgg cgaasgggccc gtgtgggtcc gccatacgag ttcagagcca caagaaccta 240
 ctgaatcaaa ggcagccaag gagaggccca agcaggaggt gaccaaagca gtggctcgagg 300
 acctgggcac tggctactgt aantgtggct ttgccggcct gccaaagacc acccacaaga 360
 tctcaacaac ggtgggcaag ccctacatgg agaccgcca gactggggat aatcgcaagg 420
 agacattcgt g 431

<210> 13045
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 13045
 gccgtgcagg tgggtggcgaa cgctcctccg aaagggtttcg gaagctgggtg gtagctctga 60
 agataacgct gcgttagggc atactgcggc ggaggatgga actccgattg aaagcagttg 120
 ctggagtgga gcacgaattt caacaagccg catgttgaag tgtgaggcgt gaaagggat 180
 gtctgatatt tgctttaaaa tgctccagca aagaaattaa gggatggatg aagcaaaaga 240
 gccaggtatg gtggctcatg cctctaattc cagcactttg gg 282

<210> 13046
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 13046
 aaaaaagtac actgtgcagt ttctgaagag ttacactat ttaaagcata atcatagcct 60
 cacag 65

<210> 13047
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 13047

taggaaagca	tcacaggtga	gaaacacaat	tgaggcagtt	ttatggcaga	gtgtggaggt	60
ttagtctgag	tttgcggtt	ttctttcttc	attcatactt	cgtcaattaa	ttttcccctt	120
taaggaccct	ttcaagcctg	agagaagagt	acagaataaa	tcaaaagaaa	gagtggagag	180
acaaaaatga	atgcagaaag	agggatgcag	gaaacaaaaa	cccagcaagt	agaagggaat	240
agtgagaata	aagaaaacga	gaaaaagaaa	acaaacaaac			280

<210> 13048
 <211> 659
 <212> DNA
 <213> Homo sapiens

<400> 13048						
tgtataaatg	tatgtatcac	ctaggggttg	gcctcctgga	cccctcccgt	tctttctgga	60
tagccatccc	ctgggcctgt	ccaggactgg	gagttgcagc	tttgtgttaa	gctgatcaca	120
gacaccggct	ggcamcmatc	agcggaagc	agagcccatg	tccaggatgc	ctcctgctgy	180
vctgtgtcca	tccctagtct	gtcaggactt	cctgwcactg	ttttccaaag	ctgtaaacct	240
cactggtgaa	cgttcacctt	aatgattgat	tcttttaatc	tctgttttca	ctctcaggct	300
ctggtaagta	ttcgtatdnc	cttcattcca	gtctgattgc	atagccacac	tgcccggcac	360
gccacatcca	cccctgtctg	cacatgagtt	ktcttgacaa	cagcgtgtga	tacgcttcag	420
tttttccaca	ttgtccacgg	ccagcacatg	aaagcatcac	ttctttttta	tggtgtggga	480
atctttgcaa	gttagtgtk	cannwgattt	tcaggtgtac	atttattttt	gactgggcag	540
ataggggatt	tttttttttc	catgtccgat	tcacacgcta	cacaccacac	tgaacacatt	600
cgaacttcga	aggccacaca	ctcctgcttc	ataggcccca	cggtaagtga	gttcacacc	659

<210> 13049
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 13049						
gttttctaca	accaaattct	gggttttttt	cttctttctt	taaacataga	ggtaccacca	60
caagggatgc	cctactctct	cgcagctctt	gaaagcatct	gtttgagggg	aaggtctctg	120
ggcaagcaag	tggttatatt	gattgcttgc	ttcccttttt	ccacctggga	cattgtaatc	180
ataaaataac	agtaaattcc	aaacctcaaa	aactattatg	gcc		223

<210> 13050
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 13050						
gtttttatta	ggggaaggag	ggcggaggcg	gaggccagtt	ccccagctcc	agccgccgctc	60
gctgctgcct	gtgtagttgc	agccgcggcc	gcctcccgc	agctcgcttc	ggggaacagg	120
acgcgcgtga	gctcaggcgt	ccccgcccc	gcttttctcg	gaacctgaa	ccccaaactgc	180
gcccgggtgc	gcaagatcgt	gtatcccacg	gagaagggtga	actgtctgga	taagttctgg	240
cataaagcat	gcttccattg	cgagacctgc	aagatgaca			279

<210> 13051
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 13051						
tgtctgcact	ggmgctgcct	ggtgacyaga	agtttgaggt	aggtttggtg	ctgggcaggg	60

gtggggagta ggggtggaaag catggagtga agaggtctag ggaggggggtc tcctcacccc 120
cgcccttctg ccgccttgat ctcggggggtc tntaaggctt gcttcca 167

<210> 13052
<211> 62
<212> DNA
<213> Homo sapiens

<400> 13052
ggttttgtgt ggaaagcatg taggaggggtt ctttcctga tttcaagtag ttccttccac 60
cc 62

<210> 13053
<211> 180
<212> DNA
<213> Homo sapiens

<400> 13053
cctttttttg cagtctcagg acggggcgctt tggagccggc cccaggcagc gwggtgtmgtt 60
cgcttagkct ggagaactag tcctcgactc acgtgcaagg atgatgctga aaggrataac 120
aaggcttctc tctaggatcc ataagattgc ccccgaggaa ttagcacttg ttcacaacct 180

<210> 13054
<211> 556
<212> DNA
<213> Homo sapiens

<400> 13054
attcacaaaa tatttatgat gtattttactc tgcaccaggt csncatgccca agcactgggg 60
acacagttat ggcaaagtag acaaagcatt tgttcatttg gagcttagag tccaggagga 120
atacattaga taatgacaca atcaaatata aattgcaaga tgtcacaggt gtgatgaagg 180
gagagtagga gagaccatga gtatgtgtaa caggaggaca cagcattatt ctagtgctgt 240
actgttccgt acggcagcya ctaccacat gtaacttttt aagattttaa tttaaattag 300
ttaacattca aaacgcagct ccccaatcac actagcaaca tttcaagtgc ttgagagcca 360
tgcattgatta gtggttacc tttgaatag gtcagaagta gaatcttttc atcatcacag 420
aaagttctat tggacagtgc tcttctagat catcataaga ctacagagca cttttcaaag 480
ctcatgcatg ttcattcatgt tagtgctgta ttttgagctg gggttttgag actcccccta 540
gagatagaga aacaga 556

<210> 13055
<211> 148
<212> DNA
<213> Homo sapiens

<400> 13055
amggcaagtm ggaggttagca agatggccgc cgctgaggaa ggctgtagtg tcggggccga 60
agcggacagg gaattggagg agcttctgga aagtgtctct gatgatttcg ataaagccaa 120
accctcccca gcacccctt ctaccacc 148

<210> 13056
<211> 207
<212> DNA
<213> Homo sapiens

<400> 13056
 agtaagtctg aagaatgcac tgaagtcata gtgcattggt ctgagctcct ggcagatcct 60
 gtgtaatctt cagcctccct gaagctttac agccaggagt smgattttat cacatgaact 120
 ttaaaagagt aaagccaaat atctttttat taaaccagag tagwktaatt atcagtatat 180
 gtgaaatcat gtccactgat caaggca 207

<210> 13057
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 13057
 gaaccctggg ttgctgggca accgatgcgg cccccgcagc tggctctctgt ggtgctggga 60
 gcgagcccag tatagtctcc acctcctgcg ctggtaacct cccgtcccgc ccgcctccct 120
 tgttgctgcc tctcctcgcg tcgcggaatc cttgcccttg gcactactta catctctcgg 180
 ggtcccacaa caccttagcg cccacctgct tcaaagccaa gctccaccga aagcgaggca 240
 gtcagccccc ggacatggcc tcagcgctga ctgatcgcac ctctcggggc ccgagcacct 300
 acacctacac ca 312

<210> 13058
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 13058
 gactgttgaa ttgaaaaaca ccaaaggagt cttcttgtct ggagactgga ttgttccagt 60
 tttaaatacc tgtgcccata agtatcccat ttcataatg tgtgttggca tggggaaaaa 120
 atttccctgc tctttgagtg gagcgaaagc aattgggtta gctgtagcag cttttttgtt 180
 tattttttta aagtaataat aaaacttgaa ctgaaaaaag ataaaacttg aactagaata 240
 ctactcttgt atgcttagaa tgtttatagt gtttatgtgg gg 282

<210> 13059
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 13059
 gggcaacgcc acagtctcgt gtgatagcag cagcgggtat atgatacggg gccctgtatg 60
 cgggccagac agtgcggtta agccaaggga gattatccag acccccagga gcgaacagca 120
 agcagcaacc gaagcgcaag tgccaggatt acagcctagg ctgctccaac tatgagccct 180
 tcctcggacc ctgggactcg gctacttggg gtttgggggt cttccacacc acagaggcac 240
 aaagctgact ttaatcaatt tttttccttt aaacttgatt ctgccgcagt ggagccagca 300
 cagcggatgt ttccacac 318

<210> 13060
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 13060
 actgtttgct tagtaccaag gattttacct gtgtgaacta ccctcgtaca tatttttttc 60
 cttcttggtta cggatgaatca attatccatg ttctatggaa agccaatctt ttatgtgtgt 120
 actggatccc atcctgtacc catttaaggc tattactcta gcaattcttt ctttccaca 180
 ttgacaattt tc 192

<210> 13061
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 13061
 gtggcaaagg aaggagctga ctgggggaggt tcgaggcggc gggcgggcgggt gaccccgggc 60
 tggaactgcc ccggtacgga agtggtccgg ggtccgtggg gagcaggaga gggaggcggc 120
 ggaccgtccc gcgcggggca cgatgttgaa catgtggaag gtgcgcgagc tggaggacaa 180
 agccaccaat gttgttatga attattcaga gatcgagtct aagggttcgag aggcaacgaa 240
 cgatgatcct tggggacctt ctgggcaact catggg 276

<210> 13062
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 13062
 ccagtgtaga tgtaggcaa cactcttggt ggctgcccgt ctgtttttcc cctagggata 60
 ccttatgcta ttaaagccct ccacaacctc ctgtggatca agccccgttg gctgctcctc 120
 tgcccttggc aggtgttaca gtaattacat cttctgrggg cctcatgggt aaagccacca 180
 cctggcttct actacttcag gatcctgtta tcccaatgga tattatcaag ccca 234

<210> 13063
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 13063
 aagaaagcca cctggggcga ccgcggtgcg gaccagcac gcctgggccc ggggctgcag 60
 catgctcttg agatctgttg cctgaaagcg ctggaagcag agcctgtgag tgtgggtccc 120
 gtcaccagag ccccaaccca 140

<210> 13064
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 13064
 acgtcaccaa gagctactac cagaagtttt tgcccctgac gcaagtctag catctctgcc 60
 tcatgtcttg aatctgcttg agctctaaga tgaacctggg gacaaagtga gccagtcagg 120
 acctacaaag agctttttgtg tctttgacat ctaccacctt cctcctttta aaaaatttct 180
 ttagaatttc tcaatcttca aggctctaag tgcttaa 217

<210> 13065
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 13065
 cctaacaccc aagaagccag aacctctggt ggggcccagg cccaggctgc agtcccaag 60
 gtgacccagt gttctgctaa tctggagaac cagaggctca ctgggtgctgc ggggaagatgg 120
 tttctagggt gagaatgtcc actgcaaagc cagcaacagt cagcatccat ctgagtcttc 180

tgcttttctc	caaggtgcag	agtgggctgg	cagggccggt	actgtgacga	gtgtatccgc	240
tatccaggct	gtctccatgg	cacctgccag	cagccctggc	agtgcaactg	crngnaaang	300
gctggggggg	ccttttctgc	aaccagggta	agccttctct	ccctgaggma	gcctgctccc	360
tccagagcag	ccctggactt	ccctggctgt	ttgatcactg	gaaaaataaa	gtcttcctgc	420
atttgatgt						429

<210> 13066
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 13066						
aagacagaca	cggaagtgct	gggagggcgc	gggagcccg	tcggttgccg	gtgtctctgg	60
ccctgcggtc	agccctggga	acgtcccgga	gagctagatt	cctagaggcc	cgattccgct	120
agcccggaac	agacaaagcc	agcgcctccc	cccgcctccc	gacttaggat	ccgatgccg	179

<210> 13067
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 13067						
gagttagcta	gagctgttgc	catgacaagc	atthttcttaa	gaaagctctg	ctgttgagat	60
cgtccaaagc	tgggrggctg	ggaggggggg	cacgaacttc	gtggggcacc	atccctccga	120
agagagcaag	atcagagaca	ccgcgccagc	tctcctgcac	cctttttctt	tcaggaaact	180
gagaggtcct	tcccattgga	ggggcagggg	gaggagaccc	agcccaactc	ccggccttag	240
ccagaaaggc	aagagagcaa	agccagcgtc	tctagcttgg	ttgccacact	ggggagactg	300
gtgggtggtc	accccaacct	accctcatcc	atggaaaccc	ggagggagag	tcccgcctgg	360
agaaacctgg	atcttttgcta	gaaagagaga	gatccagttg	tcacgcggtat	ccaggaagcn	420
nnnctcttct	ctctctctga	cgtctactac	tacagttgct	ggttggt		467

<210> 13068
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 13068						
agtccagagc	agctgggtcac	atgagcctga	atthttcagtt	cagttcatta	gtcagccatt	60
ttggtcaaca	ccctgcttac	tgcgcacggc	caatcctatg	agaactcagc	atcccagctc	120
atctgagcag	atcctggaag	tgattttctgc	agctcaggat	ttttttttta	agctacattg	180
aaaatatagg	tttatttttt	gttcagggtt	ttctttttata	ttttttttct	gcacaaagga	240
ggaggatttt	tcacttactc	atatacaggc	cagattttta	aagccagcta	aggcagcatc	300
agctgtgcgg	gattttaaagc	ctatagctca	gctgaaaaaa	aaggtggggg	gcagggaagg	360
gnagataaaa	rgagaggaag	ctgggagaag	acragcat			398

<210> 13069
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 13069						
ccgtggtgct	gcagctggca	gagaagaatg	gctacgtgac	tgtcagtgag	atcaaagcca	60
gtcttaaatg	ggagaccgag	cgagcgcggc	aagtgtctgga	acacctgcta	aaggaagggg	120
tggcgtggct	ggacttacag	gccccagggg	aggccacta	ctggctgcca	gctctcttca	180

ctgacctcta ctcccaggag attacagctg aggaggccag agaagccctc ccctgactgc 240
 atgtggaagg gcacacagca gcaggcaggg aggaggcgga ggtggcaaat aaacccg 297

<210> 13070
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 13070
 atcctcnstg gctcctcgag gctccgtaga tggatgaagag gttgagatgc tgtccagccc 60
 acagaggccc cggaaagcca gtgccgcccg tcagaggggt ctctgagtr mrtgtgggtg 120
 gctggattct gcatacnggg ttatcttaac cccggctgtg aaaactggat gaagtagcaa 180
 tcctttcaac cccaagagtc tgtgattcag ccagagttac aa 222

<210> 13071
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 13071
 atcttggttg tgggaagtct cgtctaggct gtcctctctc cagttgggag gaccaagatg 60
 gagcgaagga tgaagtagca agtgtacgtc tttcttgga gcaggatgtt gcgcaagttt 120
 acacttctga ccccatcaca ctgcttccca ctgagatgca agagaggatt nctcatcttc 180
 cagatgtgca ggctgaaata tttatggatg aaattgtcag atgcctagca tttgctccat 240
 gataatctga ggtgtgggac atgtttgagg attaccc 277

<210> 13072
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 13072
 atccctcccc gcscctcgg ccgctccgct ccttgccgtg actcggcact gagagtcccg 60
 ggakaagact cggcggctgc cacctcttct gtccaggcct cggccttctt gagyatctct 120
 ccttctcttc ccagatcgtc ttctccttca gtttcaaagc cagtggcgtc gcggccaccc 180
 tgccgggctc tctgtgagga tgggtgggggt gaagcccgtc gggagcgacc cggatttcca 240
 gccagagctg agcggcgcg gctccagact cgcctgggtc aagttcacca tgagaggggtg 300
 tgggccatgt ktgaggattg cccagcatt cagttctatg agtaataaat atccacaggc 360
 tgttttcttg gaagtcgatg tacatcagtg tcagtactta ttcctttgaa gataggaaga 420
 tgttatgttg atgtcattat tacagatgtc attatggctg cattagtt 468

<210> 13073
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 13073
 catgttctaa atatagatgt gttaaatttc aaatgtgaaa gtttttgaag ggtctaaagc 60
 cagtttgcta atcagggaaa tgctgtgatt ggcgccasac ttgcagtccc tgagggggat 120
 tgtgaaatcc ggcctccgca actgtgattc aagtctggga tgaaagaaaa ctccatgata 180
 c 181

<210> 13074
 <211> 409

<212> DNA
<213> Homo sapiens

<400> 13074

acccggcccg	agtgcgggcs	gtggaaggcg	gaagtaggag	aggagttcgg	cgccgcttct	60
gtggccacgg	cagcttcacg	gtgatgat	ggcatctgcc	agctctagcc	gggcaggagt	120
ggccctgcct	tttgagaagt	ctcagctcac	tttgaaagt	gtktccgcaa	agcccaagg	180
gcataatcgt	caacctcgaa	ttaactccta	cgtggagggtg	gcggtggatg	gactccccag	240
tgagaccaag	aagactggga	agcgattgg	gagctctgag	cttctctgga	atgagatcat	300
cattttgaat	gtcacggcac	agagtcattt	agatttaaam	ggtctggagc	tgccatacct	360
tgagaantra	ctgctaggca	ccgcatctgt	caacctctcc	aacgtcttg		409

<210> 13075

<211> 119

<212> DNA

<213> Homo sapiens

<400> 13075

tacctagggc	atctgcctcc	ctagcagcca	gttgcagaag	catgaacctg	attcttgaaa	60
tggtgagcac	ctactgagt	caaagccac	actagccaag	accccgtagt	gatacagac	119

<210> 13076

<211> 217

<212> DNA

<213> Homo sapiens

<400> 13076

aagagaagag	ctgcaggctg	tgcgaagccc	atttcaagct	ttgtgctgcc	tcttgatcta	60
cctctttgtc	caggtggaca	cgctttgcct	ggaggatttg	catgcgttta	ttgcgcaggc	120
cttgtgcctc	caaggaaaat	ccacctcgca	gcttgaaatc	tacagcctga	ttacatcaac	180
cccagagccg	tgcagctggg	ctcccttctc	gtccgcg			217

<210> 13077

<211> 125

<212> DNA

<213> Homo sapiens

<400> 13077

gtttantcca	cctactcaga	acacgctgg	gtggcagaga	gagcacgtat	gcctggggtt	60
tggatgctga	gcacagaaag	ccccatttg	aacggctgga	ggcgatgatg	cgccgggtccc	120
tggag						125

<210> 13078

<211> 690

<212> DNA

<213> Homo sapiens

<400> 13078

actctccmaa	cacatacgca	gcagtgttam	agctctttta	gaatttgtct	agtaggcttt	60
ctggyttttt	accggaaagc	ccctcttatg	atgtttgttg	ccaatgatag	attgttttca	120
ctgtgcagaa	attatgggta	gttttggttg	tcttgatgca	gttgtaagct	tggggatga	180
aggtttgggc	ccgcctggg	cgcnwccggc	tgcgccggat	gctgtttcct	ttccgctccc	240
aggggcgttg	ggaacgggtg	taggacgtgg	ctctttatcc	gtgagttttc	catttacctc	300
cgctgaacct	agagcttcag	acgccttatg	gcgtccgcct	cgaccaacc	ggcggccttg	360

agcgctgagc	aagcaaaggt	ggtcctcgcg	gaggtgatcc	aggcgttctc	cgccccggag	420
aatgcagtgc	gcatggacga	ggctcgggat	aacgcctgca	acgacatggg	tgtccttaag	480
tttgctcgct	tggtcaagtc	ctacgaagcc	caggatcctg	agatcgccag	cctgtcaggc	540
aagctgaagg	cgctgtttct	gccgcccatt	accctgccac	cccatgggcc	tgctgctggt	600
ggcagcgtgg	ccgctcctg	agagttggcc	ctcccttggt	ccactgccag	gggaggaaag	660
gccttgatgt	tccagacaat	aataaatgcg				690

<210> 13079
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 13079						
cctaaactct	gagtcgcag	actgagatga	cgccccggat	tttgtgggca	gcgctgcaac	60
ttaccctctc	cgaaagcccc	ggagtagggg	agcggctcct	ccggcc		106

<210> 13080
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 13080						
ttcatgaagt	gtttcttgct	ttgatcccgt	gaccaacagt	tgaagggttg	taaggacttt	60
tctacagtct	gaacacaacc	taaagccctc	tttcattggt	cacacactaa	ctcctactgc	120
cgacgaaccg	aaaaataatt	aatgcagagg	agatttatgt	cttagccata	actccagttg	180
tacaactcaa	tcgccc					196

<210> 13081
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 13081						
attcatcagy	atgcagagat	gacaactgaa	gtgaggcaca	gtaagggtgag	ggctcatgaa	60
tgagcctcag	aagatgctga	aaatacttgt	aatacatgga	attaatcttc	cttttgatgat	120
gaacacacac	gttaagtggc	aggaatat	tgctgaaatg	gagcttgctg	gtttcctctc	180
tagctcttcc	ccataaagca	tataagctat	gattttttta	aatgaagtgc	cactttttata	240
tcaactactt	aattgacagc	tccacctaga	tgtttcctag	acatcttaga	aatgacattt	300
ccaaaaaatt	tttttccttt	caaaaacc				328

<210> 13082
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 13082						
gagtaggtga	tgtacatttt	tcttgccagg	ttgttaagaa	gttgaggcac	tcttggaag	60
ccctggtaca	tgacggagta	agtagtaata	ctagaggctc	tcttaccgta	cacttctgcc	120
tccatcactt	ctgattggcc	tcagtttctt	gcaatttttt	cttttttctt	ttttcttttt	180
ttt						183

<210> 13083
 <211> 221
 <212> DNA

<213> Homo sapiens

<400> 13083

attaatccca	ttttacaata	agagaactga	aggctcagga	agtgcgaaag	ttgtggagcc	60
aggaatcaaa	gccctgttgt	ctgactctgt	agctcacagg	ccttagtatt	cctggtatac	120
tgctagcctg	gccaatggag	aacgtattta	aaatagtagc	tatggccatg	tacaggtaca	180
ggctcacgcc	tgtaatccca	gcactttggg	atgctgagga	a		221

<210> 13084

<211> 133

<212> DNA

<213> Homo sapiens

<400> 13084

gtgtcgggtgc	ctcctcgcca	tcttggttga	aagccctttc	ttgtcggcgg	gactcccggg	60
ggccgcgggg	cgaggagcat	cggaagggag	gtagagaggg	aggggaagaa	gggaggcagt	120
gccgcctttt	ttt					133

<210> 13085

<211> 485

<212> DNA

<213> Homo sapiens

<400> 13085

actgcggtga	aagccgaggc	agcgggcaga	cgagcagggg	gcgggaggac	atcttgggat	60
ccggagagt	gccgggccc	cagagcaggg	ggccgaggac	accaggtctg	ttctcagagc	120
gatgggccc	ggagactgat	ctgccgccat	gattggaggc	ttattcatct	ataatcacia	180
gggggaggt	ctcatctccc	gagtctaccg	agatgacatc	gggaggaacg	cagtgaatg	240
cctttcgggt	caatgttata	catgcccggc	agcaggtgcg	cascccgtca	ccaacattgc	300
tgcaccacg	ttcttcacg	ttaagcggtc	caacatttgg	ctggcagcag	tcacangnag	360
aatgtcaacg	ctgccatggg	cttcgaattc	ctckataaga	tgtgtgacgt	gatggctgcc	420
tactttggca	agatcarcga	ggaaacatca	agaacaattt	tgtgncata	tatgagctgc	480
tggtat						485

<210> 13086

<211> 240

<212> DNA

<213> Homo sapiens

<400> 13086

actttttcacg	ggtgaggcct	ggagaacggg	tggacgtgca	ggccagaacc	cgggaccac	60
ccggctgagc	ccccagactc	tccgctgccc	acgacctcgc	gagtggcacc	ctctcctggc	120
cgtctcctct	cgtgggtccc	gaagaacggg	tgcaaagccg	agttcgtccg	ctgtactgcg	180
cgggcgcgcg	tttcgttctt	cggttttgcc	acggttctgt	gactccctaa	aggttgaggg	240

<210> 13087

<211> 173

<212> DNA

<213> Homo sapiens

<400> 13087

aatctgccac	cgcagtctgg	ttggagctgt	tgtcttgtat	gctcagcgag	gcccggagag	60
acccggggaga	gagctaggcc	gagtcacccg	cccagctctg	ctgcccagagc	ccgcgttacg	120
cacaaagccg	ccgatccccg	gcctgggggtg	agcagagcga	ccaccgcccg	gga	173

<210> 13088
<211> 209
<212> DNA
<213> Homo sapiens

<400> 13088
agagggttctc cagcttttct ttgattgtct ctgcttttagc gtctctaaat ccggtcacca 60
tgtcggaccc cgaaggcgag accttgcgaa sacctttccc tcttatatgg ccgaaggagc 120
ggctctacct gtgcggggaa ttttctaaag ccgcgcagag cttcagcaac gtgagtcgag 180
ctctcaacct atccatcacc ccatcacc 209

<210> 13089
<211> 158
<212> DNA
<213> Homo sapiens

<400> 13089
aatgaatata aagccgcggt ctgggtgccc cctcgccgcg ggccgctcnc cgcgctcctt 60
tgccagaaga tcgtactgag aagcactcca caatgccaga ctcacctgtg gatgtgaaga 120
cgcaatctag gctgactcct ccaacaatgc cacctccc 158

<210> 13090
<211> 203
<212> DNA
<213> Homo sapiens

<400> 13090
agacgccggg cctacagcgg gagcgtgagg aaagccgtgc gttgcgttcc aaggcatctg 60
tgagcccgcg gagtatacac catgagsaaa gtcaccctc ccgagttgaa aaagtaagta 120
tgtgtgagas ccaaaccgaa gtggtcagtt atttgcgtcc tgcgagtccc ttggttcctt 180
ctccggttagc cgaatgtcct gag 203

<210> 13091
<211> 470
<212> DNA
<213> Homo sapiens

<400> 13091
agcaaaagtcc tcaggytcat cccacacact cgggtgctagt cactgctgtg tgtttacatg 60
agtaatggag ctgccggggg aggggagttg taagcagagc gctgagcctc gcagctcgca 120
ttcggaggga agctgacatc cacaccaagt cgagacttcc agggatgtgg ccggggagca 180
gtcatatgct gtagctttca tgagcacagg catcagtcak gcagatgttt gtcgactgga 240
atggccgcca aatcttaaag gcagaccacg caaaaagaaa ccatgcacaa agaagagatt 300
cattcagtgg tgtaaggat tccaacaaca attccgatgg caaagccgtt gccaaggatga 360
aatgtgaggc caggtcagcc ttgaccaagc cgaagaataa ccataactgt aaaaaagtct 420
caangaaagg aaaaacccaa ggttgccatt ggtagaagag tgcagggcag 470

<210> 13092
<211> 480
<212> DNA
<213> Homo sapiens

<400> 13092

cacttgttgc	cgccccgcta	gccccaaaagg	ttgcgcgcgc	agaccgagaa	gtctcgcgat	60
ascagccgcg	gctgcccttg	cgcttcccga	gctggcgggg	tccgtggtgc	gggatcgaga	120
ttgcgggcta	tggcgccgaa	ggtttttcgt	cagtactggg	atatccccga	tggcaccgat	180
tgccaccgca	aagcctacag	caccaccagt	attgccagcg	tcgctggtag	ggactgaagg	240
ttggagaagc	atattaactg	ctccagggtc	atttgaagct	gggctgcaag	tccaggtcgg	300
ctgacctgct	cctaggggtc	tctgaagcaa	ggaatgttcc	catcaggcct	gaccgccgct	360
gcctacagag	tcacactcaa	tcctccgggc	accttccttg	aaggagtggc	taaggttgga	420
caatacacgt	tcactgcaga	cactggcagt	kagcgcccaa	gaggctcctg	ctgtgcccgt	480

<210> 13093

<211> 437

<212> DNA

<213> Homo sapiens

<400> 13093

cacttgttgc	cgccccgcta	gccccaaaagg	ttgcgcgcgc	agaccgagaa	gtctcgcgat	60
ascagccgcg	gctgcccttg	cgcttcccga	gctggcgggg	tccgtggtgc	gggatcgaga	120
ttgcgggcta	tggcgccgaa	ggtttttcgt	cagtactggg	atatccccga	tggcaccgat	180
tgccaccgca	aagcctacag	caccaccagt	attgccagcg	tcgctggcct	gaccgccgct	240
gcctacagag	tcacactcaa	tcctccgggc	accttccttg	aaggagtggc	taaggttgga	300
caatacacgt	tcactgcagc	tgctgtcggg	gccgtgtttg	gcctcaccac	ctgcatcagc	360
gcccattgtc	gcgagaagcc	cggttttcgc	cagtatgaat	gctctgatgt	agagtaagtt	420
tttggcgcaa	tctaaag					437

<210> 13094

<211> 146

<212> DNA

<213> Homo sapiens

<400> 13094

accaattgtc	atacgacttg	cagtgcgcgt	caggagcacg	tccaggaact	cctcagcagc	60
gcctccttca	gctccacagc	cagacgccct	cagacagcaa	agcctacccc	cgcgcgcgcg	120
cctgcccgcc	gctgcgatgc	tcgcc				146

<210> 13095

<211> 174

<212> DNA

<213> Homo sapiens

<400> 13095

atctcttagt	ttattttaa	caattttaa	agacagtga	aagcaagagg	aaagagatgg	60
gataagtaaa	cgctgtcaag	agacggtgca	aatctggtgg	aagatgcctg	ctacctaaag	120
cctacctcat	acaatgttca	ggggccacca	tcctccacct	gccccaacct	ccac	174

<210> 13096

<211> 151

<212> DNA

<213> Homo sapiens

<400> 13096

acaaccacaa	gggctgtttc	gtcggtttgt	tgtaaacaac	atttgctcca	gtcatctcac	60
tggaaaatag	actttctcta	ctgggcagcc	gctgaggtga	gggtgctcag	gatgttttaa	120
aacaaaacca	cgcgtctatg	cggtagcggc	a			151

<210> 13097
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 13097
 aggaagtgaa gtccccgagc acgttagaaa gcctgacatg gcctgactcg ggacagctca 60
 gagcagggca gaactgggga cactctgggc cggcyttctg cctgcatgga cgctctgaag 120
 ccaccctgtc tctggaggaa ccacgagcga rggaagaagg acagggactc gtgtggcagg 180
 aagaactcag agccgggaag cccccattca ctagaagcac tgagagatgc ggccccctcg 240
 caggggtctga atttctgtct gctgttcaca aagatgcttt ttatctttaa ctttttgttt 300
 tccccacttc cgacccc 317

<210> 13098
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 13098
 acttccgctc ggggcgggcg cgggtggcgga agtgggagcg ggccctggagt cttggccata 60
 aagcctgagg cggcggcagc ggcggagttg gcggcttgga gagctcgga gagttccctg 120
 gaaccagaac ttggaccttc tcgcttctgt cctccgttta gtctcctcct cggcgggagc 180
 cctcrgacg cgcccgggcc ggascctcca gcgcaggcsc gcgtttgaag gatgacctct 240
 aggaagaaag tggtgctgaa gggttatcat ctgggagatt ctggagtcgg gaagacatca 300
 ctcatgaacc agtatgtgaa taagaaattc agcaatcagt acaaagccag nataggagct 360

<210> 13099
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 13099
 aaagtgtttt tttaaaaagc ctggtttttc tcaatacgcc tttaaagggt ttwaaatrrt 60
 ttcatatctg stcaagttga gatttttaag aancttcatt ttkaatttgt mataaaaagt 120
 tacaacttga ttttttcaaa aaagtaacaa actgcaagca cctgttaata aaagtcttaa 180
 ataaaaacga acaggcctag caatgaaagg atggaatcag cacacgccgg tggtgaaaac 240
 ggctttgaca cataggctca atgtgcta 268

<210> 13100
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 13100
 attacgagat tggcttgat tctgtcggat ggacttgggg ctagctgcgg cggggctggg 60
 taagaaaata ttgttagaac ttgcgggcga cggggagttg gggaacctga gaaaatgagt 120
 cgaaggctcc taattattgg atatatcttc acgggggtga tgagccctca ggtgttgagg 180
 gagcaggac gggggaccga aaagccactg tcctgagacc cattcatggc actcgtgcc 240
 tgccaggcca ggcctgcgtc ttcagggaaa cagtcgggat aactatgaga gtgtgcctt 300
 tgtggcgggt cctcgaagac cttgagcaat ccccgactg cgagcagga aagctgcttc 360
 cagtaccaa attgacagac tgtatttctt cgccagaaaa atttacttga gcttcagttt 420
 ttctctgwaa gtcgaga 437

<210> 13101

<211> 94
<212> DNA
<213> Homo sapiens

<400> 13101
aactttcctg gctagacttt tctcctaaag ccttatttgt cattccaggc acttcgatat 60
ccttacttcc aagttggaca cccactaggc gcac 94

<210> 13102
<211> 220
<212> DNA
<213> Homo sapiens

<400> 13102
gacgtaagcg gcgttggcgt ggtgagggat ggattcggtc tgtccgatcc cagaaggaag 60
tcttggttcc gcatgtaaat gatgggtcat ctttgaaaag ccttcagggt gttgcagatt 120
caggccttga cagtagagaa ttaacttttg ggagttctgt ggaagtacaa gggcagctga 180
taaaaagtcc atccaaaagg caaatgttg aactgaaggc 220

<210> 13103
<211> 71
<212> DNA
<213> Homo sapiens

<400> 13103
tgagaaaaa tcaagcagaa ggggagaagg ggtgatggtg aaagccttgg caattcttga 60
taggtaatc a 71

<210> 13104
<211> 410
<212> DNA
<213> Homo sapiens

<400> 13104
aagtaggcgg ggtgacgtgt ggttgacgag ctccggcgcg ggtttgctga gayctgtggc 60
cggcggcagc tgggtcgggg ggcagctgag agcgagaggt ggatcggggc ggtgtgtggc 120
caggggccatg acgggcaatg ccggggagtg gtgcctcatg gaaagcgacc ccgggggtctt 180
caccgagctc attaaaggat tcggttgccg aggagcccaa gtagaagaaa tatggagttt 240
agagcctgag aattttgaaa aattaaagcc agttcatggg ttaatttttc ttttcaagtg 300
gtagcnaggm gaagaaccag gcaggtctct tgggttcagga ctcccgactt gacacgatat 360
tttttgctaa gcaggttaatt aawaatgctt gtkstactca agccatagtg 410

<210> 13105
<211> 329
<212> DNA
<213> Homo sapiens

<400> 13105
aacagtgtaa atcccagact gacagactta gaacctgagg tctcattcat ccttatgggt 60
taggccttgc cagttttccg aagtctctga ttagttgaca gtattaacac taaattgcag 120
tttacagtat ttctacatta cagccatatg taacatcaag ccacgattg tgtacttttc 180
ctttgctagt tgtttgggct ttaacatcct tattcagcct tatccagggt ggttttgctg 240
ttgatcggtc tcctaggcta aatgagaatg aaagcgactt cagggttttg gttcataggt 300
gtcggcagg tggctgtggg atttttttt 329

<210> 13106
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 13106
 ctgcacctct ctgcggggtc ggggttacat ggcgggcgact gcggcaaagc gagagcctcg 60
 gagacgccgc tgccgccagc acagccggag acctgagccg aactggggg cagtccgcga 120
 gccccgcact ctctcgatga gtcggagaag tcccgttgta tcagagtaag atggacggta 180
 gctttgattg tgattgtggt gagctggagc cacctgatca ctaacaaaag acatcttctg 240
 ttaaccaaca gccgccaggc ttctgttgta aataaatata tagc 284

<210> 13107
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 13107
 catttttaggt ggtccgcggc ggcgccatta aagcgaggag gaggcgagag cggccgccgc 60
 tgggtgcttat tcttttttag tgcagcggga gagagcggrw gwgtgcgccg cgcaagant 120
 gggaggcgam gagagcggcc gccgctggtg cttattcttt tttagtgcag cgggagagag 180
 cgggagtgtg cgccgcgcga gyagtgggag gcgaaggggg caggccaggg agaggcgag 240
 gagcctttct ttgggctatt gggccctctc tgggccttct ttccagactg ttaataacac 300
 agcagccc 308

<210> 13108
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 13108
 tctctgctac ctgtagctga ggggtgctgtt gatgggcagc gcggcgctstg ggaaggctcg 60
 ttctcgcgag agttcagctc ccttcttagc cgtggctgcc tcagcacctc gaggatcgac 120
 atggacgctc tcgaggacta cgtttggccg cgggcaacct cggagcttat actcctccca 180
 gtgacgggtc tggagtgcgt gggggaccgg ctgttgccgg gtgaggcttg gcttgaggca 240
 cgctgggtgg aaaggg 256

<210> 13109
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 13109
 agtacagggt cstgctgttg gctgggctcg ggagggaacg ctccaggtaa agcgctgggg 60
 gaggaagcga cgccgaggrg ctacggtttc ctccagaggt ctccgscct ctgccctat 120
 attcccagag ctccagctcg atccgggcct tgccgggcac cctggaaagg cgggggtgat 180
 agtacagrtg gagacgcaac tgcagagcat tttcgaagag gtggt 225

<210> 13110
 <211> 797
 <212> DNA
 <213> Homo sapiens

<400> 13110

gttcactaac	ctcacattct	aatgaccatt	ttgccttcct	gcttggtaga	agccccaact	60
ctgctgtgca	tttttccatt	gtatttatgg	agttggcgta	tttgacattc	agttctgggg	120
taggtttaag	atgttaagtt	atttcttgta	acctcaaagg	taaggttatc	tagcactaaa	180
gcaccaaacc	tctctgaggg	cataacagct	gctttaaaga	gaggtttcca	ttggctatta	240
aggagttatg	aaaactccct	agcaatagtg	tcatatcatt	atcatctccc	ccttcctctg	300
gggagtggaa	gaattgcttg	aatgttatct	gaaaagaggc	ctggtagtaa	accaggccct	360
ggctctttac	cagcagtcac	ctcttcttac	tctggggcca	gccaggaaaa	acaaacaacc	420
cggggcacat	tgggtagact	cagtgtagga	aaaatgggtg	cagctccact	gtttattttt	480
ggtgattcgt	acgtcattat	gaaccgcaat	taaggaggag	gcttaatggc	tggtcccaaa	540
ctcaaattctc	agagtgggta	tcctagcatc	tagcaagact	gagtggggag	atttctcatc	600
cgtgtgaaaa	tgtagagtga	ggcctctgac	tagctaattg	tgtattttgt	tgggtttagt	660
attttctaaa	tgtttacaaa	atattgggct	gcatgttcag	gttgagccta	gaggggagctt	720
gggcagattt	tcaattacgc	tttcaagata	taacccaaaag	ctgtttctaa	atcctaaaat	780
tagaatttca	acagagc					797

<210> 13111

<211> 178

<212> DNA

<213> Homo sapiens

<400> 13111

agttctagaa	cgttgctgtg	gtagcgctcg	ggcgcatggt	aggacgaagg	ggaaggagga	60
gaagcgctta	aagcggcggg	agcgggtgcg	gagaggggtt	ggacccaggg	ctgaggcagg	120
cccccccctc	cctcccgctt	cagtggatca	tgcccagggc	ggcagcggcg	gcgggttg	178

<210> 13112

<211> 300

<212> DNA

<213> Homo sapiens

<400> 13112

aacttcatcc	tgggttgagg	cggaggagaa	cttccagaat	tatggcgaag	tccgggctga	60
ggcaggaccc	gcagagcaca	gctgcagcca	ctgtgctaaa	gcgggcagta	gaactagatt	120
cggagtcgcg	gtatccgcag	gctctggtgt	gttaccaaga	ggggattgat	ctgctcctgc	180
aggttctgaa	aggtgagcaa	tgagccaagg	cggggaggac	ctgaggaaaa	ggagctgggt	240
cctgctgtgt	ctgggggtgaa	gtgaaagagt	taaaaatgat	ttttccacac	cacgaagaag	300

<210> 13113

<211> 64

<212> DNA

<213> Homo sapiens

<400> 13113

ttcggacggc	tgacagcatc	cggtggggat	cgaaagcggg	ggcttctggg	acgcagctct	60
ggag						64

<210> 13114

<211> 434

<212> DNA

<213> Homo sapiens

<400> 13114

aaggttcccc	ttacacaga	gcgccccgca	gtcttcgcgg	aaagcgttcg	gggtaggcga	60
------------	-----------	------------	------------	------------	------------	----

tggtgctgac	gcgtgcaggg	ccccgcgccc	gcgagatctt	cacctcgctg	gaktacggac	120
cggtgccgga	gaagccacgc	atgcgcactg	gctggccgag	gtgatccaga	agcaccagcg	180
gctgctgtgg	accttggaa	ccctngtgac	tgggcgggct	gttcgagagg	ttcgagacgg	240
ggacgtccag	ctggcccagc	agctgctcna	ctaccatgca	atccaggcat	ccacccagga	300
ggaggcactg	gcaggctggg	agcccatggg	agtaattggc	ctcatcctgc	cacccacatt	360
ctccttcctt	gagatgatgt	ggaggatttg	ccctgcccct	ggctgtgggt	aaatgatggc	420
ctgrggggtc	ctga					434

<210> 13115

<211> 360

<212> DNA

<213> Homo sapiens

<400> 13115

gtctctgtcg	ccgccgtcag	accggaattg	cggtgcccgc	cgccaccgct	gtctgtgccc	60
ccacctctgc	tgctaccatg	gggatcttag	agaagatctc	ggagatcgag	aaggagatcg	120
ctcggacaca	gaagaacaag	gccactgagt	atcatctggg	cctgctgaaa	gctaagctcg	180
ccaagtatcg	ggcccagctc	ctggaaccgt	ccaaatcggc	ctcrtccaaa	ggagaggggt	240
ttgatgtcat	gaagtcgggt	gatgcgtgtg	gcgctgattg	gatttccttc	tgygggyaag	300
tccacattct	tgagtctgat	ganctccacg	gccagcgagg	cagcgtccta	tgagttcacc	360

<210> 13116

<211> 180

<212> DNA

<213> Homo sapiens

<400> 13116

agtaggcgag	ggcgcgggctg	cggggttcct	ggtgctgagg	acggacgcca	ttggagttcc	60
cgagaagcat	ggctgaggga	agcttcagcg	tgcaatcgga	aagctacagt	gttgaagaca	120
tggatgaggg	tagcgacgaa	gtsngngag	gaagagatgg	ttgaaggcaa	cgactatgaa	180

<210> 13117

<211> 473

<212> DNA

<213> Homo sapiens

<400> 13117

atccggggtc	acgtcgggtct	tccgggtgtc	tttgacaggg	ttttctacgc	cgcttttttcg	60
gcgacttttt	gctcttccgc	tttttgccac	cgcccccaac	cttctatata	cttgacagccc	120
ctaccttttc	ttgtgttgct	cctcccctgg	cagccgtgag	gggggttaga	tctcagccgg	180
agccggagct	gggcctagct	gtcccacggg	ccaccactac	ctcctttggt	tcgggagaaa	240
gctacgacca	agtacgccc	gctcgggcct	tagaacttct	gaacgggcag	tgcgggtagg	300
ccctgcttag	cccttcccgg	aggacacctg	tgagttagg	gggtttcggg	gaggaacgca	360
gcagtgtagg	cccaggtcgg	cggcggggca	cgggaaactt	ttcggaaaacg	gtagcgtttt	420
gttttgcgtg	ggasgttnsa	gcagtatcgc	ttggttatte	caaatttatg	ggc	473

<210> 13118

<211> 479

<212> DNA

<213> Homo sapiens

<400> 13118

atccggggtc	acgtcgggtct	tccgggtgtc	tttgacaggg	ttttctacgc	cgcttttttcg	60
gcgacttttt	gctcttccgc	tttttgccac	cgcccccaac	cttctatata	cttgacagccc	120

ctaccttttc	ttgtgttgct	cctccccctgg	cagccgtgag	gggggttaga	tctcagccgg	180
agccggagct	gggcctagct	gtcccacggg	ccaccastac	ctccttttgt	tcgggagaaa	240
gctacgacca	agtacgccc	gctcgggcct	tagaacttct	gaacgggcag	tcgggtagg	300
ccctgcttag	cccttcccgg	aggacacctg	acaaaaagag	gaagatagtc	ttgggaccct	360
tgcattggtg	ttcaaagggt	ggtgaagaac	taagatatct	tcttgaagcc	ctgcatcctc	420
ccatttctaat	ttgaactggt	agcttcccat	cactgtcatc	tcgggtagaa	gaatacatg	479

<210> 13119

<211> 454

<212> DNA

<213> Homo sapiens

<400> 13119

tttttttttt	cctctwacc	ccccctctgg	akyggttggt	cgatcagatc	gatctaagat	60
ggcgactgtc	gaaccggaaa	ccacccttac	tcctaattccc	ccgactacag	aagaggagaa	120
aacgggaatct	aatcaggagg	ttgctaacc	agaacactat	attaaacatc	ccctacagaa	180
cagatgggca	ctctggtttt	ttaaaaaatga	taaaaacaaa	acttggcaag	caaacctgcg	240
gctgatctcc	aagtttgata	ctgttgaaga	cttttgggct	ctgtacaacc	atatccagtt	300
gtctagtaat	ttaatgcctg	gctgtactcg	gggacggttc	tagtttttgc	tcattcagta	360
tgatgtkgtg	tgtgtgtttg	ttaaagatgg	ctcttcttat	tttgaggtag	attccttttg	420
atgcctagtc	tgttgggggt	ttttatcatg	aaga			454

<210> 13120

<211> 229

<212> DNA

<213> Homo sapiens

<400> 13120

gttttagttt	tcacatatct	caaagtgc	atgtttta	tcacttgatt	ctcccagcaa	60
tagcatgaac	tattagcctc	attttgtgga	ttaggaaact	gtagttaaaa	aaggtaactt	120
agctgtgggc	acaaagctag	taagtagcag	agccaggtta	tgggtcccag	tctgttgga	180
tccacggcct	gtgccttgac	cacttctccc	agctgcttcc	actgcacca		229

<210> 13121

<211> 317

<212> DNA

<213> Homo sapiens

<400> 13121

acagcagcac	ccagaggcta	acctatttcc	cctatagccc	aagctctgag	atctcccgtc	60
tggtcacaat	gatctacagg	agaggaagaa	agctatctag	ggacgagatc	tagaatcaac	120
tgagagagat	gcttaaaaa	caccagttac	tttaatgagt	aagtactttt	cagtttttcc	180
attttatctg	aaactttaag	ttggcatttc	tgaccagcct	ttcttgagac	catcattttt	240
tgggcactta	ctgtagacag	gaatcagcac	cctagcctcc	ttcagcccac	cccatgtaac	300
actaaagaga	caactgg					317

<210> 13122

<211> 504

<212> DNA

<213> Homo sapiens

<400> 13122

ctctttgtcg	gaggagctcc	tctgtttcct	gtgcagtagc	tcccgttgcg	gcggcaccgc	60
tggcagccct	ggcggacgca	ggagcgatgg	cagcgaccga	tatagctcgc	caggtgggtg	120

aaggttgccg	aactgtcccc	ctggctggac	atgtgggggt	tgacagcttg	cctgaccagc	180
tgggtgaataa	gtccgtcagc	cagggcttct	gcttcaacat	cctgtgctg	ggagagacag	240
gtttgggcaa	gtccaccctc	atggacaccc	tggtcaacac	caaattcgaa	ggggagccag	300
ccaccacac	acagccgggt	gtccagctcc	agtctaatac	ctatgacctc	caagaagcaa	360
cgtgaggcta	aagctcacga	tcgttagcac	agttggcttt	ggggaccaga	tcaacaaaga	420
ggacagctac	aagcctatcg	tggaattcat	cgatgcacaa	ttcgaggcct	acctgcagga	480
agagctaaag	atccgaagag	tgct				504

<210> 13123

<211> 353

<212> DNA

<213> Homo sapiens

<400> 13123

agtaccccat	tccttgctgc	aatgtaatta	caagtgtgcy	cctggtrgtc	tttaactgaa	60
gggcactgac	tgggtactgg	tgaagttccc	cgcaggaact	gagtcagacc	ccatctcagg	120
gccctgcasa	agataggtgc	ctgctctaag	gcgtggaccc	tcgcsacagc	cctggcccgt	180
cttgacgggc	gagggttact	gtacttgctc	caaccrtaca	gatgagaaaag	ctsagactca	240
gggccagcaa	cccsngtccc	agcggagcgc	rcgggcacac	gscgacacnt	cagcaccagt	300
ggcgggtggc	accactgtgc	gcggagatgg	ctgcgacgcg	tgcsagagta	aag	353

<210> 13124

<211> 348

<212> DNA

<213> Homo sapiens

<400> 13124

aaattttggg	aagttccgtt	ggggaagatg	gcggcggcct	cgagcaccct	tctcttcttg	60
ccgccgggga	cttcagattg	atccttcccc	ggaagagtag	ggactgctgg	tgccctgcgt	120
cccgggatcc	cgagccaact	tgtttccctc	gttagtggtg	gggaagggct	tatccttttg	180
tggcggatct	agcttctcct	cgcttccagg	atgaaagctc	agggggaaac	cgaggagtca	240
gaaaagctga	gtaagatgag	ttctctcctg	gaacggctcc	atgcaaaatt	taaccaaatt	300
agrccttggg	gtgaraccat	taagcttgtg	sgtcaagtca	tggttaagg		348

<210> 13125

<211> 277

<212> DNA

<213> Homo sapiens

<400> 13125

tttaccatagt	ggaaattaaa	aatgaagtg	tgactactct	atttacaact	tataacagga	60
catttgcttt	tttctccaa	ggtatgtatg	agtgtgagta	atataattta	gcaaaggaaa	120
taagagttaa	gttattgaac	ccctcctggg	tcccagggtc	agtgagatgt	gctttatacg	180
cccccttccc	tcccaccccc	actccaggtc	tgcaaagctc	atttggccag	ctaggccact	240
ggaggctcta	tttgactag	tgaatcttac	atgggtat			277

<210> 13126

<211> 452

<212> DNA

<213> Homo sapiens

<400> 13126

actgacaggt	tgcccacctc	ccccaacgcc	accccgttc	gcagtagacg	gacagaggag	60
tcgtagcgg	cgaggctttt	gcggctccgg	cgtgccggaa	agtgcattgt	atgcataaaa	120

gtggataatt	tacatgataa	atgaaaatgg	ccaattcttt	aagaggagaa	gtactaaaaac	180
tttataaaaa	tctgctgtat	cttggacgag	actatccaaa	aggagcagac	tattttaaaa	240
agcgtttgaa	gaacattttc	cttaaaaaaca	aagatgtgaa	gaatccagag	aagatcaaaag	300
aacttattgc	acagggcgaa	tttgtaatga	aagagctaga	agctttgtac	ttccttagga	360
aatacagagc	tatgaaacaa	cgctattatt	cagataccaa	caaractrat	tgatcattac	420
tactttaatt	tagctatcag	tgccagctgt	tt			452

<210> 13127
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 13127	
aaatctcaca	tacagttctt
ggaatgtttt	tgatggtggt
gtctgtgtcc	atatttgc
ttctcttttg	tttttatttt
ttgcaaatat	taaatattat
aagaacatga	gattaattta
ttctggagtt	gagtacaagc
aagacatgat	aatactgccc
ctgtgctcta	ttataccctg
ttcaaagctc	ggacagtaac
ctggctggtc	atagcctttg
tttaaaaactc	aggtgtaatt
gatatatcaa	ttcatgtgtt
atctatcttc	ggtaacttga
acagaaacat	ctttacggnk
atcatattca	tgtgtact
atagagatgg	gggagagaaa
tatcttgagc	ccattagaga
ttactaatga	tgacattcag
attatctgtt	cttaagataa
tggcatacca	gtgaatgatg
cattctggag	agagactatc
gcacatcttc	atttttttagg

<210> 13128
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 13128	
tcttccggtt	cccgcgcggc
tcattttgtg	gagttagggt
cgaggtggca	gctgcgtaga
tgaagtgtac	ccagagacac
acccaatgaa	atgatgggcc
agattccacg	aragccttct
actttaagac	catgctagaa
gcagctggcc	ccagggatgt
agact	
gctccaaagc	tcggggagtg
cttatacctga	tctttctctg
agtcctggram	snttttctct
aaagaaatac	agaagtccag
gaggagccag	aagtgtctct
gggctcnnac	cagagaccct
agcctcccgg	cagaggttca
cctcaggcat	ctctaggacc
gtggtctccc	tttccctggag
tcccccgctc	ycccgctctc
nagrgtccca	gaattgagac
aatgatcaaa	tgagatcact
amtacctgct	ttccagggtcc
cagtgaagac	tctgttgaag
ggaagttctg	statgaggat
ttgctggacn	gtggtggctg

<210> 13129
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 13129	
acggaaatca	ggaagtgcga
caccgccaca	aggaggcagg
attgcmactg	gscctgcctg
cactgctcat	gaatgacagt
cstgcatccc	ctgcagtggg
aacatacac	
gagagctgag	agccaggact
gaagaaaccc	actagtccca
tggggctcwa	ggggscntk
gagccctgaa	agctctgggg
gatgggctca	gctcctggac
cagtgtctgag	cttggtgtcc
gctcctgggg	tgccacagac
ggctacmagg	aggctargam
gtgtcaccca	gtcccacaag
gtgccacaga	cagaaagcat

<210> 13130
 <211> 432
 <212> DNA

<213> Homo sapiens

<400> 13130

agctttg	cgg	acccggg	gagc	tccggg	acgca	ggcgggg	gctt	gtgctcc	gcg	ggggc	cagggc	60
gtaggg	tngg	cctcct	acct	cccct	gatct	cgcggtt	tgt	tccgk	ttcat	tggag	cttcc	120
cggacc	gtg	gctcg	acggt	gccct	taggt	ccgtg	ggggc	acacg	cgagt	ctgata	aagca	180
ccctcccc	cg	gaatc	atrmg	gtgct	gtgag	gcctag	cgaa	gatga	aagata	gaatg	caagg	240
tagaa	agtgc	tggata	acctt	tagaa	agctg	caggact	ggt	gcgat	gggag	ttgag	acgta	300
agaac	ctgcc	cgccg	tagg	gctct	ggatg	ctgct	gaggc	ccgag	gcccc	tatgg	cagat	360
ttgaaa	attc	accct	tnag	agtcatt	ccct	gccttt	gagc	ggact	ccctt	ttaagg	gtcc	420
cactct	gttg	cc										432

<210> 13131

<211> 452

<212> DNA

<213> Homo sapiens

<400> 13131

agctttg	cgg	acccggg	gagc	tccggg	acgca	ggcgggg	gctt	gtgctcc	gcg	ggggc	cagggc	60
gtaggg	tngg	cctcct	acct	cccct	gatct	cgcggtt	tgt	tccgk	ttcat	tggag	cttcc	120
cggacc	gtg	gctcg	acggt	gccct	taggt	ccgwr	ggggc	acacg	cgagt	ctgrta	aagca	180
ccctcccc	cg	gaatc	atg	gtgct	gtgag	gcctag	cgaa	gatga	aagata	gaatg	caagg	240
tagaa	agtgc	tggata	acctt	tagaa	agctg	caggact	ggt	gcgat	kggga	sttka	aagacg	300
kaaga	acctg	cccgt	ccgta	gggct	ctgga	tgctg	ctgag	gcccc	gaggc	cctat	ggcag	360
atttg	aaaat	tcacc	cttgt	agagt	cattc	ctgcctt	tga	gcggact	ccc	tttta	agttt	420
acaga	aagcac	ttgcag	aact	catcag	aagc	ca						452

<210> 13132

<211> 214

<212> DNA

<213> Homo sapiens

<400> 13132

agtgt	ctatct	gcagg	ctggc	cagctt	ctctc	tgcgt	ctcgg	aaagt	ctgcg	cccag	cgcg	60
actagt	gagg	acctc	acag	ctcct	gacat	tgccag	gag	cctgt	cggg	ttttc	tccca	120
gcctc	cgcca	tgccg	gcgt	gctgg	gtttt	gaagg	cagcg	ccaata	aagat	tggcg	tgggc	180
gtggt	gcggg	atggc	aaggt	gctgg	cgaac	ccgc						214

<210> 13133

<211> 255

<212> DNA

<213> Homo sapiens

<400> 13133

cggcg	ccttc	ctctt	cccat	cgcg	cggtc	ctagc	cccg	gtgtc	ctcctt	ctacat	ccgc	60
ctctg	cgccg	gctgc	ccacc	gcgtc	ccctc	cgccg	cgccg	gcctt	gctgc	tgctc	aaagc	120
tgctg	ccgcc	ccttg	gggcta	aaagg	ttttc	aaatg	gaaca	ttttg	atgca	tcact	tagta	180
cctatt	tyaa	ggcatt	gcta	ggccct	cgag	atact	agagt	aaaagg	atgg	tttctt	ctg	240
ackatt	tatat	accca										255

<210> 13134

<211> 476

<212> DNA

<213> Homo sapiens

<400> 13134
 atccgtcccc gataagaccc gctgtctggc cctgagtagg gtgtgacctc cgcagccgca 60
 gaggaggagc gcasccggcc tcgaagaact tctgcttggg tggctgaact ctgatcttga 120
 cctagagtca tggccatggc aaccaaagga ggtactgtca aagctgcttc aggattcaat 180
 gccatggaag atgcccagac cctgaggaag gccatgaaag ggctcggcac cgatgaagac 240
 gccattatta gcgtccttgc ctaccgcaac accgcccagc gccaggagat caggacagcc 300
 tacaagagca ccatcggcag ggacttgata gacgacctga agtcagaact gagtggcaac 360
 ttcgagcagg tgattgtggg gatgatgacg cccacgggtgc tgtatgacgt gcaagagtgc 420
 gaagggccat gaagggagcc ggcactgatg asggctgcct aattgagatc tggcct 476

<210> 13135
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 13135
 atggtggggc atgtgtgtgg tggaatgtgt ctggtgtgtg tgggtgggatg tctggccctg 60
 agtaggggtg gacctccgca gccgcagagg aggagcgcas ccggcctcga agaacttctg 120
 cttgggtggc tgaactctga tcttgacctg gagtcatggc catggcaacc aaaggaggta 180
 ctgtcaaagc tgcttcagga ttcaatgcc a tggaagatgc ccagaccctg aggaaggcca 240
 tgaaagggct cggcaccgat gaagacgcca ttattagcgt ccttgcctac cgcaacaccg 300
 cccagcgcga ggagatcagg acagcctaca agagcaccat cggcagggac ttgatagacg 360
 acctgaagtc agaactgagt ggcaacttcg agcagggtgat tgtgggggatg atgacgcccc 420
 cgggtgctgta tgacgtgcaa gagtgccaag ggccatgaag ggagccggca ctgatgasgg 480
 ctgcctaatt gagatctggc ct 502

<210> 13136
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 13136
 aggggcccggc gtcgggggaca ttaccggaca ggccttgtcc ggcaatacca aggcctcttgg 60
 gaaagctggg gctgctgctg cctgattccc gccgacagac cttgggaccg gggccaacac 120
 tggcagctgg agatggcgga caccgagatcc gtgcacgaga ctaggtttga ggcggccctg 180
 aaggtgatcc agagtttgcc ga 202

<210> 13137
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 13137
 actaaaacct aatcatttag tcacagtgtg aaaacaaatg gaaataacag ctcaaattctt 60
 caaaatatta ctatagcatt atgttttaaaa taatctacaa caaaaatgta ccattttcaa 120
 gcagtactac attaggag 138

<210> 13138
 <211> 632
 <212> DNA
 <213> Homo sapiens

<400> 13138

[illegible]

<211> 352

<213> Homo sapiens

ttaacccttg	agtgcattgc	tttttgatgg	atttaatat	ctgtgtgatg	agctgggaag	60
tgtgcataaa	gtgtgcctgc	tgcacaacrg	agttacaaat	gtcctgagga	caagtgccta	120
ccttgccact	tttcttaatg	gaatatcatt	tttacttgga	agaatgacag	acaactatgg	180
ttatttagac	tcgggaaattt	ggcagacatt	ttctctaaaa	cagatgaagt	gatgtggcac	240
tttaaaacaa	acaactgggtg	gtattttattg	ccagtataaa	aattcaggct	tccaagaaca	300
ttagaatttc	gaaaaatttg	tactggccat	catgacagct	tctcagaatt	tt	352

<211> 97

<212> DNA

<213> Homo sapiens

aggcagagagtg gagactatgg aacgtcagac tgctgagcag agagtctcct tcaggcacca 60
tqaaaqctgt gctgcgcaag gctggaggca cgggccc 97

<211> 282

<212> DNA

<213> Homo sapiens

atgccttgtaa	gtaacgccgc	ggaccgggaa	agtgggaggg	gccgctcccg	gaacgcagcc	60
ttcttgtaag	aacctccaag	gaagcaagaa	gaaaaaanga	ggcgctacc	tggcgctccc	120
gggaggcctc	tgaaagcttc	cactagagaa	aaactcccca	ctcttacaat	ttctttaacc	180
gcaagaagcg	gaggacctgg	acaaggactc	gaggagcaag	gtggcgaaac	aagggtaggg	240
cgcaccgggc	ccgagaggtc	ccccgcaggt	tgcagatacg	gn		282

<211> 142

<212> DNA

<213> Homo sapiens

attttagatc	cgctgtttgt	ggcccaggtg	caggaagctt	acgcggtggc	agccgctcgc	60
tgaggtagtc	tctcgcggcg	ccgggggatcc	ctgaacacag	acagcgcggg	actgagaagg	120

aaagcttctt tctgggcaac ca

142

<210> 13143
<211> 200
<212> DNA
<213> Homo sapiens

<400> 13143
atcttggaga tggaggaaag cttgccagaa caactgcaca ccccatccac tcctcatgtt 60
ctcagtttgt tcttctctgt gatacaacca gcacacgag aacagccagc agcagctcca 120
gcgtgataaa attttcactc cttgacaagt gtaagaagcc ggaaaactgt gccagccag 180
aagttttgtg tcgccccctt 200

<210> 13144
<211> 126
<212> DNA
<213> Homo sapiens

<400> 13144
tagaactact ccaaagcttt ccttctcag actaagcttt tgcccatca gtggtagcta 60
ccaggacaaa tttttcacct taaatctagc atgtgatgta aattctattg gattatgttg 120
acttac 126

<210> 13145
<211> 183
<212> DNA
<213> Homo sapiens

<400> 13145
actctaaggg aagcgttact tgaggctcgg ttgggaagag atggkcagct ctcaaaaaag 60
gcacaaacaa ttgaaggatg gataccatgg catatgttaa aagcgtgttr aaaggaaaat 120
aagaaagcca ggaatctcag gatgaatcag tctagatcga gatcagatgg tggcagtgaa 180
gaa 183

<210> 13146
<211> 255
<212> DNA
<213> Homo sapiens

<400> 13146
ttttttgttt tggggaggaa gggcaggggc ttgcggatag aaggggggtca aaggaacggt 60
gattatcacc tgtgagggga aaggggggtgc tgtcctccct ccttcccttt tcctcagcct 120
gcacccctg caatcccca cctttcgggg tctccccctc cttgttgcta aggcccgac 180
cgtcatccca gcaacagcct cagtcatgtg accggcaatg gcggcgctga cgagaggtag 240
gtgagcccg cgacc 255

<210> 13147
<211> 282
<212> DNA
<213> Homo sapiens

<400> 13147
ttttttgttt tggggaggaa gggcaggggc tsgcggatag aaggggggtca aaggaacggt 60
gattatcacc tgtgagggga aaggggggtgc tgtcctccct ccttcccttt tcctcagcct 120

gcacccccctg caatccccca cctttcgggg tctccccctc cttgttgcta aggccccggac 180
 cgtcatccca gcaacagcct cagtcagtr accggcaatg gcggcgctra cgagagtcct 240
 ggtcagctga gtggaaatag aaggatttct gctgccatca tc 282

<210> 13148
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 13148
 tctgctcaac ataaaggaac tctgctcgat cactcctttc ctagaagttc tgatgagggg 60
 aatgaggacc taagctccat tctaaaggtc agctggcatg acttatattc aatatacctaa 120
 agccaatgac tgtcagtatt tttttttt 148

<210> 13149
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 13149
 cataactcaa tcagggctgt tgatatggag acttctgact tgacaccaaa aggacctaata 60
 ttatatagtg actgttttgg gcatcagaag gtaaaggaac ttgtgtgaaa ccctgactca 120
 ccatttggtg caaatggcag ttggaaactc ctgggggtatc ctactgccta ctggcccttc 180
 tctacatgta gctgttcttg gttaagggat ctccttttagc atgtatgaga tggggaagta 240
 caagcatata acatcaagtt ctactgtata ttcagatgta gaagcaacaa c 291

<210> 13150
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 13150
 ataaggggct tttccctctt gtccggcaact tctgctgcc acgtggagaa ggggtgtgttt 60
 gtttcccat ctgccatgat tataagtgtt ctgaggcatc cccagccatg ctgaactgga 120
 agtggcacta aggtccaaag gaagctacat atgggtgggc cctgctacac cagcctccca 180
 agcctcccag tgcaccttct aggagacaag caaggaaggc cgctgcttgt ttgtcatcct 240
 gctcatggcg gtgtactggg gcacggaggc cctgccgctc tcagtgcagg cgctgctgcc 300
 catcgtctc tcccccttca ygggcatctt gccctccarc aaggctctgcc cccagtactt 360
 cctcgacacc aacttctctt tcctcagtggt gctgatcatg gccagcgcca ttgaggagtg 420
 gaacctgcac cggcgaatcg cctcaagatc ctgatgcttg ttggagtcca gccggccagg 480
 ctcacctctg ggatgatggg ga 502

<210> 13151
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 13151
 acaaggaaga gagggagaaa gtggtataac tagatgggat gaacttcaaa ggaaggagtg 60
 gttttctcca ggctgcaatg gttagaagca gtgttaggga gtaaggaaga tactgatccc 120
 atttccaacc tgtggatatg tggaatacat gagaataagc cc 162

<210> 13152
 <211> 135

<212> DNA

<213> Homo sapiens

<400> 13152

aataaggaag	tggaattcca	aaggaaggca	aagtgtaaaag	tcgtctttat	ggaaatgagt	60
gatgaagggtg	aatacctgaa	tgagatgtca	agaggaggaa	cacactggag	agaagcagta	120
aagattwagg	actga					135

<210> 13153

<211> 395

<212> DNA

<213> Homo sapiens

<400> 13153

acgttggaac	ggaacgtgga	ggtggccctg	gccggggagg	aggggcggcg	gcgaatgctg	60
ggagagtccg	acgagcgctg	cactaacgca	ggatccggct	gccgaagtcc	tcgccagcag	120
gatgaagtta	aaggaagtag	atcgtagcgc	catgcaggca	tgagccctg	cccagaatca	180
ccccatttac	ctagcaacag	gaacatctgc	tcagcaattg	gatgcaacat	ttagtacgaa	240
tgcttccctt	gagatatttg	aattagacct	ctctgatcca	tccttgata	tgaaatcttg	300
tgccacattc	tcctcttctc	acaggtacca	caagttgatt	tgggggcctt	ataaaatgga	360
ttccaaagga	gatgtctctg	gagttctgat	tacag			395

<210> 13154

<211> 478

<212> DNA

<213> Homo sapiens

<400> 13154

taaagtnnna	attagtcaaa	gactaatcca	ggttagattg	accgggttcac	tgctcacttg	60
caaccttatac	aaagggtttg	acaaagggaa	atgtaaaata	aatctgttta	tggatattga	120
gtgcatcttg	watgwgctta	atattgatag	gatgagatgt	ctgaacaaat	ttttataata	180
ttgctgtgaa	ggagcttgct	attgaaccac	agaaatccct	taatattcag	gttttaaaac	240
tggcaaattc	tcacaggacc	tcaggcacag	attattgagg	ttgggagaga	gtgagtagat	300
gtagaaaagg	agaaaaacaa	cacacgccct	gttctctaca	gtacaactgt	gtgcaattaa	360
gcaatggtag	ttgatgtagg	ctctaacact	catcaataaa	taagtgttgt	aaaataattt	420
ataacaggta	atcgatagtg	tgtaatgaat	ggactattaa	taattgatta	tctagaaa	478

<210> 13155

<211> 424

<212> DNA

<213> Homo sapiens

<400> 13155

atthttgtaag	ccagtgtctgc	caaggaaaagg	aatgcagcaa	caccagcgat	gccctggacc	60
ctcccctgaa	gaacgtgtcc	agcaacgcag	agtgccttgc	ttgttatgaa	tctaattggaa	120
cttcctgtcg	tggaagagccc	tggaaatgct	atgaagaaga	acagtgtgtc	tttctagtgtg	180
cagaacttaa	gaatgagacc	atcaagcttc	agatgatcgt	gcaacaaagg	ttccagccag	240
ttctaggtga	agacaccact	gctggccatg	aaagagctac	cctgcctcca	ctagacagag	300
caggaacac	caggtgatgg	tgcagattga	gctgtagact	cacctagaca	aataccccct	360
tggggttcac	ttcctaccca	agaagctgga	tgaggcagtg	gctgaagtcc	acctgcacag	420
gcta						424

<210> 13156

<211> 138

<212> DNA

<213> Homo sapiens

<400> 13156

ctgatata	ttccttag	gtactat	atcttttt	gagata	aggaatt	60
gtaggg	agcatt	tctgtc	atctgat	tagaat	catgcaa	120
ctcac	ctgcc	gcaac				138

<210> 13157

<211> 278

<212> DNA

<213> Homo sapiens

<400> 13157

caggat	taactat	atcttat	accgtag	ttgtatt	aaattat	60
tagcta	cacaata	caaaaac	raganaa	aattttt	gtagcgt	120
ttaaat	actatag	cagtagg	ttataat	ggactgt	cttattt	180
aagttg	atagtac	ataaatg	gacaatt	gtaagtt	tgaaatt	240
tgacatt	cattaa	tttttac	ttttggg			278

<210> 13158

<211> 237

<212> DNA

<213> Homo sapiens

<400> 13158

actggt	tccttat	atagac	cacggat	gaatgga	aaataat	60
cggtct	gattcc	tatcac	cataga	agaaagn	ttagaag	120
tctgat	tcaccc	ttacca	aggaat	acccaga	agttaa	180
cttacc	caag	agtacc	caac	aactct	ctca	237

<210> 13159

<211> 404

<212> DNA

<213> Homo sapiens

<400> 13159

tcacatt	ctgtct	ggtga	ttcttt	cttaag	tctagt	60
gaggg	ccagag	cagga	acttct	ccatct	gggg	120
ccagt	cagct	agact	tcctg	gagtgc	ataaga	180
acttcc	gactta	tattcc	ccattc	ccgaag	ttacgt	240
caggat	aactca	tgccag	tggtgg	cacctg	cctagt	300
catgag	aggcag	ataagg	aaggga	tnragg	actgc	360
agcctg	agagag	atgtct	caataa	agagca	cacg	404

<210> 13160

<211> 129

<212> DNA

<213> Homo sapiens

<400> 13160

gaaac	acagag	cactct	tcctgg	gaggtt	gcctcac	60
actga	gacact	ctaaat	ggcg	casatg	atgtt	120
tctca	acrc					129

<210> 13161
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 13161
 aaaaaggatt aagccacaga ttttaagcgcc gggagcccat ttctgccttg caaaggagac 60
 cggactgaaa aacctaaagc cagctctgat ttcttttcgc caagtgggaa ggtgggttat 120
 ttttcttgct ttttggagtc aacacccttc cccaccagcc cttatcccca ccctcacccc 180
 gcaaccctt macgccccct mmc 203

<210> 13162
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 13162
 tttcttaaca tgtagtact tctacgactt tggagccact gatgggtcca ctcatggcct 60
 cagctgagaa aggagacgat gaacgtgtag ctgacatgca cgaagtttaa tttactcatg 120
 tccacggggg acgttttagag ggcacgtggg aaattttcca gcaatcaatg ccttgagaaa 180
 cttaaatggg gaaatattat tcatcgagaa agtgaaacaa aacactagg 229

<210> 13163
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 13163
 tgtggataac cttgtctcga acgtatgctt ttgaaatgcc cttcttcaaa tgtgtgcttt 60
 ggccgtccat gcaaccaccc ctactaagct cttgtacag agaaggcatg gtgccaagta 120
 tccaaccaca gtgaaactct ctgctcccag taagctgggg agcagagact ggggcctgaa 180
 aggagacttg tcagagtaag tggagcctga gcctcctttc ccactagctc tgtcattaag 240
 tgagtggcga agagaaggcc cagtggatca ccagttctca ccatgatggc actgtggctg 300
 ccagggacca aactctcagt cctgaggtgt tttttagaaa scatttacct tacctggaat 360
 gatgcctcat tcttattcct cacccttatg ncgtacacat ccaaatayca ccatacttc 420
 actgttaact tcaatgcatc 440

<210> 13164
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 13164
 aagtaaata tgtgtcatcc cagggacaag caggaccaag ccttgaaagg agaggtcaga 60
 ctcccctctg tgttgatttc cccaggagaa gctcgggaaa tgagccggcc gaagacgagg 120
 gaatcagtgc agtgagatgt acagaaggaa gtctaattca aaag 164

<210> 13165
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 13165

tagaggaaaa	tgtcaaat	gattaatt	gaccagaa	gtattttgga	tgttttaga	60
gttgatttc	atatcacatt	ttacaaattt	cttccgattt	aaaggagagt	tctaggaagt	120
tttgtgatct	atgtccggtg	tgggtttttg	tcctctcgag	ttttgtctct	aataaaggcc	180
ttttttgtat	caaattacat	acgcttttta	ctgcacaatt	tttgtattga	ccttatttca	240
actgaagc						248

<210> 13166

<211> 330

<212> DNA

<213> Homo sapiens

<400> 13166

aggaggagga	ggaagaggag	gaaggagggc	gagcgaggag	gatggcggag	tcggggctcc	60
tgacggtgaa	ttatgtaacc	tcattacgct	ggatgtagct	cacaatcaac	ttgaacacct	120
tccaaaggag	attggaact	gtacacagat	aaccaacctt	gacttgcagc	acaatgaact	180
gctagacctc	ccagatacta	taggaaacct	gtccagttta	agtcgtcttg	gtctgagata	240
taacagactg	tcagcaatac	ccagatcatt	agcaaaatgc	agtgcacttg	aagaattaaa	300
tttagagaac	aataacattt	ctactttacc				330

<210> 13167

<211> 230

<212> DNA

<213> Homo sapiens

<400> 13167

aggaagagga	ggaaggaggg	cgagcgagga	rgatggcgga	gtcggggctc	ctgacggaac	60
tctaataaat	cattgattga	ccagcactat	tttaccagtt	ggaatgaatg	atcagaaatg	120
ggcatagtgc	ttttagatcc	aacatgtaac	agatggatgt	tactccatgc	tgattacttc	180
ttcaagccag	tacttttttg	attgtgtagg	atctttgtct	cttcactctt		230

<210> 13168

<211> 386

<212> DNA

<213> Homo sapiens

<400> 13168

agtattcaca	tgcttttaac	tgaagctcgt	agcttggcag	tgcagtttaa	gcaaataaac	60
tcaggctgtt	gaacacaaat	attaacagga	agcaggggag	gggacatagt	tactagactc	120
tggccgggac	aagaggctga	ggttaaggtc	ttagagccga	tgacttgcag	aatggtcacc	180
tcacccactt	gcaatttcat	ggtgggaaca	ggtggacccc	ctggaatcag	aacctctctg	240
aggacatctg	tttttgtgta	gacacagggt	gcagggttagc	aggagaacag	gcaagccaaa	300
tgcaaaaggag	ccacttcaga	aatgtgtcac	agaaaagtga	aaatgcaacc	tagtggttaag	360
tgaagagggg	aagaagaaa	aaaaag				386

<210> 13169

<211> 300

<212> DNA

<213> Homo sapiens

<400> 13169

actaccagg	aaggcggact	gggtgcgagc	gccctaccgc	tttcgctywt	cccwtcgcgg	60
tgcccactcc	actccttggt	cggcgctagg	ccccccgtcc	cggatcatggc	catgctcagg	120
gtccagccc	aggcccaagc	caagggtgat	gtgtttcgtg	aagacctctg	taccaaggta	180
agacatgcct	catcagcgtg	gccccacccc	tgcccaactc	ctactgctca	accctgcctc	240

actacctagg acgggcattt gatgctgact cccatcctcc tccacccccca cctcacacac 300

<210> 13170

<211> 259

<212> DNA

<213> Homo sapiens

<400> 13170

agcctaagct	ctctcgccaa	ccgtgggtggc	tccttgcggt	cctayatcct	ctcatctgag	60
aatcagagag	cataatcttc	ttacggggccc	gtgatttatt	aacgtggcct	aatctgaagg	120
ttctcagtc	aattctttgt	gatctactga	ttgtgggggc	atggcaaggk	ttgcttaaag	180
gagcttggct	ggtttggggc	cttgtagctg	acagaagggtg	gccagggaga	aggcagcaca	240
ctgctcggag	aatgaaggc					259

<210> 13171

<211> 397

<212> DNA

<213> Homo sapiens

<400> 13171

tctccttct	gaccttcttc	agtctgcagc	tcttttctcc	accgcgcgcc	cgcctcagcc	60
gttcagccct	gagctggcgg	gtggacgggc	atggatccag	gcggtgggag	cagtctgcga	120
agtcagggta	ggaaggctac	acaaaggagg	cgacatccca	gcccggtcct	caggaataag	180
cgggcgtgcc	cgtgtgggtg	ggacgggtgag	gggacactgt	attaagtgcc	ttatctgcat	240
tatcattgaa	tcttcatagc	aatcgattgt	gatgggtact	ggtcatctcc	ccgggttgta	300
gatgaggaaa	ctgaggcctc	agtaactttg	cttttagtcag	taaatagataa	gagtcagcaa	360
atgaattccc	aagcgtagac	tcggccgtac	cgctgct			397

<210> 13172

<211> 267

<212> DNA

<213> Homo sapiens

<400> 13172

ttctacataa	ctccagctta	gtcttccaaa	attcactttc	atgatgccac	tcagcatctc	60
aaataccttt	cattggctct	ctgctgccaa	aggataaagg	tcaaagtcac	tagcctcaac	120
agtgggcttc	aaccagcctt	tggacctcag	ccccatttat	ccatcacaga	ggctggtaac	180
tagtctcact	gctcaggctg	tgagtgttcc	tgatcttggtg	acattctgtg	ctgtgctttt	240
acatggaaca	gctctttctt	ctctctt				267

<210> 13173

<211> 148

<212> DNA

<213> Homo sapiens

<400> 13173

caatgtgaat	agcttagaat	actgcaaagg	ataagctaata	tgaatgcctt	gaaagtatta	60
tccactgggc	agatgggtcaa	cttttttcag	tattatttat	agttggcact	tgattgcagt	120
tctgtgaggc	ttgagcattc	atacacc				148

<210> 13174

<211> 146

<212> DNA

<213> Homo sapiens

<400> 13174
aactaagagt actagacata actgccctca cagcactcct gatatgtgac ttatcaccag 60
atcctgcgat tgctgacagc ggtgcacaga acagtctgga atgttgctag ggacaggcag 120
atggaaagga tactgcagag aagacc 146

<210> 13175
<211> 137
<212> DNA
<213> Homo sapiens

<400> 13175
atacagagtt gttgaaagga tccagtgcaca aaagtattgg gacagagtga gtccctagtaa 60
attaaagctg gttgtattat taatattatt cttggccaag tacagtggct cacatttgta 120
atcccagcac tgggacg 137

<210> 13176
<211> 479
<212> DNA
<213> Homo sapiens

<400> 13176
taatgaatth caaaaagatc agagtcggct aaaggaaatt gaaaaacaac tgacacagat 60
tttacctgtc aactctttac aaacagaaga tcgaatgcct tgcctactgt tttcctttgt 120
aggatgacat gacttccttt tamaamantc ctcccttggg aaaaagagga acatgcagct 180
atthgacaaa ggcggtgatg aatctgctgc tggaaggaga agtcaagcca aacaatgatg 240
accogtgtct gattagctag tggggaaggt gtaggaagct ctgttgagac acatgttctg 300
aagtgtgttg tgtttcatgt tcaagcttaa tcaaggcagc cattaatata cgaactgagc 360
atgctgggga ggtgaatgcc acatccttgg cggggttatg gacctcttgc atgtcatagc 420
caatctaacg gtaatggtaa atgcttttaa tcaagcagga aaaagttctc atgattatg 479

<210> 13177
<211> 256
<212> DNA
<213> Homo sapiens

<400> 13177
cctgggaacc cttcaataag agcaaagcag gagtttgttt tttctttgtg cagatacata 60
cagagactgg gatatgtaaa aattaagtat cacaaaagac catcacacgw ttctaccaat 120
gcatgttgca tctataattc acgaacatgg tcaacaagat catgttcact tcaaccccat 180
ttcatthaaa thaaagaaaa aaacctggcc gtgagccacg gcacctggag agaaaaaagc 240
ttctthaatg acgacc 256

<210> 13178
<211> 229
<212> DNA
<213> Homo sapiens

<400> 13178
tactgggga agactgccgg gatccaggtc tccgggggtcc gctttggcca gaggcgcgga 60
aggaagcagt gcccggcgac actgcacca tcccggctgc ttttgctgcg cctctcagc 120
ttccaagaa aggatgacac ttctgtggtg tgtagttagt ctctactttt atggaatcct 180
gcaaagtgat gcctcagaac gctgcgatga ctgggggacta gacaccatg 229

<210> 13179

<211> 259

<212> DNA

<213> Homo sapiens

<400> 13179

atatgagctg	gcaactgctt	tcacagagtt	ctatgatagc	tgctactgtg	tgagagaaaga	60
tagacagact	ggaaaaatat	tgaaggtgaa	catgtggcgt	atgctgctat	gtgaagcagt	120
agctgctgtc	aggccaagg	gtttgatacc	tggaataaaa	acctgncaaa	ggatgtaatc	180
cttcataggt	ttgaacactg	tgtgttttta	ccaaagtggc	cattggcact	gtttgctttt	240
ttacaatcat	gtggacaca					259

<210> 13180

<211> 422

<212> DNA

<213> Homo sapiens

<400> 13180

aagttacatc	agtgttggtt	tgtttaaaaa	gccttcatga	gatacaattc	acataccata	60
taatcacaca	tttaaaatac	acaattcagt	ggttttaaca	tatttaaata	catgtgcaat	120
catcccccca	gacaaattgt	gttttctaaa	ggatgtgtat	cacttacctt	tggttacctc	180
atagactgta	gcaatcttag	tgtatagaca	ttttgcaagt	catataaaca	agtattgatt	240
tatatatttt	gtctcaaaag	tggaaaaatt	atattgtcta	attatgatga	attattttct	300
tgtatcaagc	tgaattttct	aaaagttaac	cttgtgggct	gttgccaaaa	taagagtatt	360
tagaggacac	tgattagttg	tcaatacttt	agcaagccac	taaagataac	tatattcctt	420
tg						422

<210> 13181

<211> 270

<212> DNA

<213> Homo sapiens

<400> 13181

ataactattt	acatgaagta	ctacgggtgta	ttgtttgggt	ttttwtgttt	tttataatgc	60
tttccagcat	ctgagtgggt	aatatctctg	caatgccttt	gattttaaaa	ataaattttc	120
ttccccagg	gatttgcaaa	tcatgcaaga	agccaccacc	atttatatta	accacttttt	180
ctttcttaaa	ggattcactc	ctgaattagc	tccatttcaa	ggattttctt	taactttttg	240
tgtatttctt	atgtatctct	tctgcacagg				270

<210> 13182

<211> 683

<212> DNA

<213> Homo sapiens

<400> 13182

cagaggggata	smgctgacct	tgcagatcca	garcgacact	ggtgtcagag	ccaccctgaa	60
agagttcaag	gagagactgg	caggggataa	gtaccaggcg	gccgtgcagg	ctctccggga	120
ggaggttgag	agcttcgcct	ctctcttccc	tctgcctggc	ctgcctgact	tctaaaggag	180
cgggcccact	ctggaccac	ctggcgccac	agagggaagt	gcctgccgga	ggacccccac	240
ctgagagatg	gatgagctgc	tccaaagggg	aactgttgam	actcggggcc	tttgaggggg	300
tttcttttgg	acttttttca	tgttttcttc	acaaatcaaa	atgtgtttta	gtctcattgt	360
tagtaattct	gggacaggtt	attaaaggat	ttaaatttga	acctggcttt	ctcacagctg	420
gacataattc	taggaaaata	agatactatg	tgcgccactg	gtcataatca	tttagatggg	480
ggtgtagggc	aaagctgtta	gaaagattgt	agcgttttac	tctccctggg	ctttccctccg	540

ccttgctgca acagagagga aatgcccattg tccacagctt gtacacactg cccctcact 600
 atcttggttat ccagtggcat gccaaaggag aactgaatta gcttctgagg cttctgctgt 660
 aaatcagaag tgtatgtag tca 683

<210> 13183
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 13183
 attctttgtt ggaaacagga aaatTTTTTTa gattatttgg tgtacggttt tgctcacaac 60
 aataggtgga agttgctagt gcagtccttg tctgatggct gtgtgcatcg cacattcggc 120
 ttggtgaaat ccttctctaa ngctctttt tgtattttta taactaaaca gaggaagtct 180
 tcagaagacc tcgcttttaa acaaatttgt gcaaacactg ctagagtcac tttgaagctc 240
 aagcattttc actttgtttc ttacatgtgt acttttttgt ttacttgtra aatggccatc 300
 ttttaagcata tttattttct gccactttat ttaaaggcaa gcaatatttt cttgatcata 360
 aatattttgt aatgaaatac ttctctttt ccagg 395

<210> 13184
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 13184
 tgaggaaaac aggtgaacaa gctttttctg tatttacata caaagtcaga tcagttatgg 60
 gacaatagta ttgaatagat ttcagcttta tgctggagta actggcatgt gagcaactg 120
 tgttggcgtg ggggtggagg ggtgaggtgg gcgctaagcc tttttttaag atttttcagg 180
 taccctcac taaaggcacc gaagcttaaa gtaggacaac catggagcct tctgtggca 240
 ggagagacaa caa 253

<210> 13185
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 13185
 ttaaattttg aaaactgtgc aatgtattaa taacgtcttt ttatatctaa atgtattctg 60
 cagcagaagg tacactggc ccaagggtgta aagctttaag agtcatttat ataaaatgtt 120
 taatctctgc tgaaactcag tgcaaaaaaa agaaaaaaga aaaaaaaaag graaaaawtaa 180
 aaaamccatg tatatttgta caaaaagttt ttaaagttat mctamcttrt atttccnatt 240
 tatgyccagg sgtggaccgc tctgccacgc actagctcgg ttatttggtta tgccaaaggc 300
 actctccatc tcccatctt gggtattgac aagtgttaact ttattttcat cgcggactct 360
 ggggaagggg gtcactcaca agctgtagct gccatacat 399

<210> 13186
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 13186
 tttctgactt ggattcctta atttgcagtg atgtcttaga aatggaaaaa gtatcctctg 60
 ggctttcaga ctttcagcaa caacagccag tgggatacct ctgagttctt gtgttctagt 120
 ctcttgtagt tcttgaaagg cagcaggagc atttttgggg tcacactgat attttggttaa 180
 agcagagttt cctgcatggg ttatggtgct gctctaatat tttctcttta aaactgtgtc 240

aatttttga	gaatgaattt	ttcaaccttt	tcattgtgga	ggatttttcc	cacaaggtag	300
taatgggcaa	tgatcaaaa	tcctatcata	aatgattgaa	ttttcaatgt	catagtgtgt	360
ggaaatacta	ctccctttcc	tccatgtcta	tcttct			396

<210> 13187
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 13187	
atgagtgtca	60
gagtgggtggg	120
ctctgggctg	180
ttagtcagca	240
ggggcaggca	278

<210> 13188
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 13188	
atTTTTgttt	60
gcaggccggg	120
gctcgcatat	180
caccgtcaac	240
cgaggaggagc	300
cagcgnccgaa	360
gccaacagca	415

<210> 13189
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 13189	
agaagcgccg	60
cttctccacc	120
ccatctctcc	180
ctctgaattt	240
aaagcaata	256

<210> 13190
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 13190	
ggagtcagaa	60
gcgccttccc	120
acgcacagga	180
tgcaagggtg	240
agaaaggcag	300
cccagctcca	356

<210> 13191
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 13191
 tctcacttaa aagttcccta aagctttggt agaaaggaga caggaagggc ctagtctggt 60
 tttgtgttg gctactctct gatactatkt ttctccttta gatctagggg taacttgtaa 120
 ggtctctagg gattttaaca agattttctt tatttttagaa gtacacagat taaatttcaa 180
 atgatcagca caatcccaca ttctcaaaat gtagattcag ttgtttaaga gtttaagata 240
 atgtcgagtc tttaacagtt tgacatactg ttttaaagtt gccaaaaggc agagtatgtt 300
 taatattaat acttgagcta cctgacgcaa tgtaagacac ctacgttaaa ggcatagatc 360
 cctgctttgc atgtaatagc tgaccttggg gtcacttgca tcttgagcct cagtttcccc 420
 tttatagtgg agtcagtggg aagtgcctca cccctcaatc cttatgag 468

<210> 13192
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 13192
 tgttttcttt atttgattgt atcatgcttt cctgatcttt tcctattttt tgtagctttg 60
 tattgatgtc tggagatttg aagaaacaac taactcttct agcaattctc cataaagtgg 120
 ctttgagacag aaaaaaattt cctgatcarg cctggctagg gattccaggc ctgtgttctt 180
 agttgcccggt gtatctagtc tttttgtttt taaagctcat ggtttcttgc tctgtctggt 240
 gtttagactgt gtcagttcct ttagtgctcc gtgtaaggca agacaggcac tgactccttg 300
 agaagtgtgc tgaaaggcca gggacattgg agtcacattc cactcatctt ctttcctgag 360
 ggagaagtct cagttctgta ctgtttccaa tcttgagctt ctgtgctacc tgtarggggg 420
 tgccccccc 429

<210> 13193
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 13193
 tacaccatcc tttacttccc ttgctcagac ctctctgttt caccattgct caggcattca 60
 ggaaagtatc tgctcactcc cacttggtga gtcctcggcc ttgaggttgc tgactctcag 120
 gcgttaggca gctggatgac ttcccgttcc acgcagcaaa ggccaggggc ttgcgcgcct 180
 ctgcagagtt gttgctaggg agacttggtg catcatccac aaccttggtt ctcacttctt 240
 gggttggttc atctctgaag aacaggtctc ccagcttcgc tccttatcac tgcattgtga 300
 agaggaggaa aagtgaatca cggagagaga aaggaaagga tagaatcaca ggctgcgtct 360
 gcacctgaaa agtgacccgc 380

<210> 13194
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 13194
 gaaaggaaag aggtcgggag cgctcgcgag atctcggacc acccaacctg aaaggattcg 60
 gacggagagc gcgaggactc ggcggctgag cgcgccsgac agcagctaga ggcgctgctc 120
 aacaagacta tgcgcattcg catgacagat ggacggacac tggtcggctg cttcctctgc 180

actgaccgtg	actgcaatgt	catcctgggc	tcggcgagcagg	agttcctcaa	gccgtcggat	240
tccttctctg	ccggggagcc	ccgtgtgctg	ggcctggcca	tggtaccg	acaccacatc	300
gtttccattg	aggtgcagag	ggagagtctg	accgggcctc	cgtatctctg	accacgaggc	360
gcttaccttt	cagacttcat	taaacttatg	acc			393

<210> 13195
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 13195						
gttacacccc	gcgcaggatt	cggacggaga	gcgcgaggac	tcggcgggctg	agcgcgcccc	60
acagcagcta	gaggcgctgc	tcaacaagac	tatgcgcatt	cgcacgacag	atggacggac	120
actggtcggc	tgcttctctc	gcactgaccg	tgactgcaat	gtcatcctgg	gctcggcgca	180
ggagtctctc	aagccgtcgg	gtcagtggcc	ggggaatgca	caccgcctg	attccttctc	240
tgccggggag	ccccgtgtgc	tgggcctggc	catggtacc	ggacaccaca	tcgtttccat	300
tgaggtgcag	aggagagtc	tgaccggg	tcggtatctc	tgaccacgat	ggcgcttacc	360
tttcagactt	cattaaactt	atgacc				386

<210> 13196
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 13196						
attgctttcs	aggggtcact	ctggcttcga	ctccgtcgct	ctcaattcgt	caccaggagg	60
aagacggagc	tggctgcccc	gccccaaaggc	ccatgagggg	atgcagtnat	gggctctgtc	120
gccgtggatt	gttattttgt	gtcagtaagt	aatccataaa	gtgcccaacat	gggaaagaaa	180
cggacaaagg	gaaaaactgt	tccaatcgat	gattcctctg	aaactttaga	acctgtgtgc	240
agacacatta	gaaaaggatt	ggaacaagg	aatttgaaaa	aggcttaagt	tggcctgctt	300
gaggatctgc	ccagtccggc	ggctgccgtc	ttccagcctc	cccatcagcg	tttggatgcc	360
ttcctctagg	tccttttagga	ggtgatagtc	atctctggat	ttggtgatca	gactctatat	420
tgacagtagg	atctcaaacc	ctgcatccat	ccttctctca	gcaagccc		468

<210> 13197
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 13197						
acctctgcag	agccgggtgg	agccattga	cgtccagcga	agnaggagca	gcgatggacg	60
gtcgggtgca	gctgataaag	gccctcctgg	ccttgccgat	ccggcctgcg	acgcgtcgct	120
ggaggaacc	gattcccttt	cccagacgt	ttgacggcga	taccgaccga	ctcccggagt	180
tcacgtgca	gacgggctcc	tacatgttcg	tggacgagaa	cacgttctcc	agcgacgccc	240
tgaaggtacg	ttcctcatca	cccgcctcac	agggcccgcc	ctgcagtggg	tgatccccta	300
catcaagaag	gagagcccc	tc				322

<210> 13198
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 13198						
gattttctctg	cttaagtgtc	gctgtgacgg	cctgggctcc	gggaggaggc	gcagggatcc	60

tccgaaaggc	ctgtggtgcg	gtttggtgga	tttggggcgc	accacctccg	ccctaaccce	120
aaccccaacg	tgtccccagg	cggatcacc	tcaacagtca	cgtcagacaa	gtgactcaa	180
cagaacggcc	cttcaaagt	gagaaatgtg	aggcagcttt	cgccacgaag	gatcggctgc	240
gggcgcacac	agtacgacac	gaggagaaag	tgccanktca	cgtgtgtggc	aagatgctga	300
gctcggctta	tatttcgga					319

<210> 13199

<211> 381

<212> DNA

<213> Homo sapiens

<400> 13199

aaaacgcgat	tgcagcggg	cgccggaagc	ggtgttgtgt	ctgcagctct	ggcagaggac	60
tgttccacta	gacacgtga	agggactggg	tacgtgtttt	ccttcaggac	cagagctgag	120
aggagctggg	atcgcgccgg	caatggaacg	ggcctcagaa	aggcgcacgg	ccagcgcgct	180
ttttgcgggg	ttccgggctt	gggacttttc	agcaacgaca	ttccacacgt	ggtgcggttc	240
agcgcgctca	agcgcgggtt	ctatgtaaca	acctgcgtgg	gcaagagttt	ccacacctat	300
gacgtgagtg	acttcttkng	ttagcttccc	aggaaaacca	ccctccttgg	cctctaactc	360
tgtcctggag	cagtccggtt	c				381

<210> 13200

<211> 497

<212> DNA

<213> Homo sapiens

<400> 13200

atatccgtgc	gccagactga	ttaaaggcgcc	attttgaggg	ggccgcggga	gacgtggtgc	60
cgctgcgggc	tgcctctgcc	gtgcgctagg	cttgggtggga	aggcctgttc	tcgagtccgc	120
gcttttctgc	accgccatgt	cgggaggtgg	tgtgattcgt	ggccccgcag	gaacaacgat	180
tgccgcctct	acgtgggtaa	cttacctcca	gacatccgaa	ccaaggacat	tgaggacgtg	240
ttctacaaat	acggcgctat	ccgcgacatc	gacctcaaga	atcgccgcgg	gggaccgccc	300
ttcgcccttc	ttgagttcga	ggacccgcga	gacgcgraag	acgcggtgta	tggtcgcgac	360
ggctatgatt	acgatgggta	ccgtctgcgg	gtggagtttc	ctcgaagcgg	ccgtggaaca	420
ggccgagggc	gcggcggggg	tggargtkgc	gaanttcccc	gaggtcgcwt	rgccccccat	480
ccaggcggtc	tgaaaaac					497

<210> 13201

<211> 165

<212> DNA

<213> Homo sapiens

<400> 13201

gtctgaaggg	gctgcgccgc	tgtttaccac	cccgaagca	gcagaggcgg	cgcccagccc	60
tcctctcgaa	caaaggcgcg	gccgccgcat	tcgacccgcg	ccatggcaga	ggagagcggg	120
tgccgggagg	gaagccggga	accgtctcca	ttctgaaact	agggc		165

<210> 13202

<211> 301

<212> DNA

<213> Homo sapiens

<400> 13202

attgtgggtt	ctcctggagc	tgtggagttg	atcctgaatg	aaagtggcgc	gccgccctg	60
acgttaccgc	gatcggagag	gttgggaattc	agattacggc	tgcgattcgg	gtgtctcgga	120

ccccggtgtg caccggacca cggggaggcg gctccaaagg cgcggtgaac gttggtgagg 180
gagggcagct ctgcgcascc caagacatgg ctcacaacaa gatcccgcgc cgggtggctga 240
actgtccccg gcgcggccag ccggtggcag gaagattctt acctctgaag acaatgtagg 300
g 301

<210> 13203

<211> 296

<212> DNA

<213> Homo sapiens

<400> 13203

aagataaggc cgcncgctga cgccgtgttt cctctttcgg ccgcgctggt gaacaggacc 60
cgtcgccatg ggccgtgtga tccgtggaca gaggaagggc gccgggtctg tgttccgcgc 120
gcacgtgaag caccgtaaag gcgctgcgcc tgcgcscgt ggatttcgct gagcggcacg 180
gctacatcaa gggcatctgc ggaatatact gtgaggcatg gtgaacgagc agaagtatcg 240
ggtttctcca tcctttggct aatcagtgtg aaattataaa atgctccttc tttttt 296

<210> 13204

<211> 163

<212> DNA

<213> Homo sapiens

<400> 13204

cccccaagc gagctgcgt gacagccggm ggcgwgtgg gtgtttgcaa tacaaaggcg 60
gccacgcgcg gcgcgctcg gtgcagacca tgaattacgt ggggcagtta gccggccagg 120
tgtttgtcac cgtgaaggag ctctacaagg ggctgaatcc cgc 163

<210> 13205

<211> 203

<212> DNA

<213> Homo sapiens

<400> 13205

agacgcagag tcttgagcag cgcgrcaggt gagtagctgt gcgaattcgg ttctctaggg 60
agctccttct tcgcctgctg gccttacctg ggctccccgc ntctctggag gggaggcggg 120
gcgggaactc ccgtaggcgt gagctggagc gcgcgcccgc tgctctctcc aggtcccgcc 180
gcgccagttc gcctccgcaa agc 203

<210> 13206

<211> 206

<212> DNA

<213> Homo sapiens

<400> 13206

tatgtggact gcgttttgtg cagtgtgtga gttatgactc atcgggaatg ggagatgctg 60
gggttccaac cttcacgct accaaagggg aagtaatagt gtggagtctt gaggagggtt 120
tgataagttg aataaggaaa ggctaagata atttacaggt taccaactca tgtggggaag 180
gtcttactgn catggtgctt ttcagg 206

<210> 13207

<211> 278

<212> DNA

<213> Homo sapiens

<400> 13207

aaatttgcag	cttccctttc	cccggcacac	acagacacga	gctggtggct	tgacagactgc	60
gtctgtctgg	agctagagag	ccagagagcc	agcctgtggg	gataatgctc	ccggagaagg	120
attctgcagc	agttctcaaa	ggctagactt	gagtgggtatt	gctgcatatg	cgctgattct	180
tcagcttgtc	tctaaccgag	gaagcattga	ttgggagcta	ctcattcaga	aaattaaaag	240
aaagaagcca	gaaaatatta	tcaacsmitt	gagaacac			278

<210> 13208

<211> 170

<212> DNA

<213> Homo sapiens

<400> 13208

tacggacata	tatacaagac	agtatctcta	tcacaactta	aatgtgacag	atagtgggtg	60
atgatgctgg	tggtttgact	gggaaaggct	ccctggagat	tgctgttggg	aaaacaattc	120
agggatcatt	tattttcttt	ctttctttct	ctctttcctt	ccttctctcc		170

<210> 13209

<211> 164

<212> DNA

<213> Homo sapiens

<400> 13209

taggtgtttt	gtttgtttgt	ttgtttgttt	tttgtcatca	gctattgttt	ttgatgtgtg	60
gcccaagaca	attcttcttc	cagtgtggcc	cagggaaacc	aaaagattgg	acaccctgtg	120
actaaaggct	ctccactca	tgtgcctgag	tgaagatagt	gtag		164

<210> 13210

<211> 307

<212> DNA

<213> Homo sapiens

<400> 13210

ttatgaaatt	aagaattatt	ttccttaact	ggaacakttc	taaaatttat	ctgatacttc	60
tctaacaagt	gagtgatctc	atgtaacccc	agtttgtatc	ttaaaggctg	cagcatagaa	120
ttgagctgta	taacagtgtt	agaactgtca	agtgataatc	acagaacagt	ttgtatcggt	180
tttataattc	tcatgtcttg	atcagatctg	aaggaaatag	gcataccctc	caacattcta	240
aaaattatth	atthtttatta	ggattttgtt	attaaagtcc	cacgagctgc	tttatggtca	300
gttgggc						307

<210> 13211

<211> 231

<212> DNA

<213> Homo sapiens

<400> 13211

gtttggtgac	tgcggggcag	gccgggggca	gctgtctgtc	tggtcttttt	tgacagcccc	60
cagtgcgaaa	ggctgccagc	atgtcatcag	tgagccccay	ccagatcccc	agtcgcctcc	120
cgctgctgct	caccacagag	ggcgtcctgc	tgccccgctc	caccatgmsc	accagcgtgg	180
actcggcccc	caacctgcan	ctggtgcgga	ccgccttctg	aagggcacgt	c	231

<210> 13212

<211> 225

<212> DNA

<213> Homo sapiens

<400> 13212

atatagaggg	cggagaaggc	tggagcgcg	cggtgatttt	gtgccaggg	ttcccagaga	60
cgcgctgaaa	ggctggcagg	gcttaggaag	ctgggggggt	agggacacac	attcaagccc	120
ccacccccgg	gagggnaagg	gggctggagg	cgaggcttga	gggcggcgga	ggaatggtgt	180
ctgctcgggg	ggaaggggcg	agccctgcct	gttgggtactg	agggg		225

<210> 13213

<211> 337

<212> DNA

<213> Homo sapiens

<400> 13213

aagtcacgtg	agaacctggg	gacgctaggt	tccggaacct	gacctgagct	ggggcctgtg	60
cttccagcgg	gtgggtgggg	gcctggtgtg	ctggcatcaa	gtaagccgac	tacctcgkca	120
aggcttaggg	acaagagacc	agcagcctga	actggctggg	gcatccggaa	ggcttagatc	180
ttgtggccaa	gagttcagac	cgtggcgaag	tggagagtga	catgcagttg	gatggcggtg	240
actgcgtggt	cctgcaacct	tggttccagt	ctggcaagca	ttgtagacct	ggctgctgaa	300
gactgacggg	gcccagggtc	cgctgcccc	ccgccat			337

<210> 13214

<211> 391

<212> DNA

<213> Homo sapiens

<400> 13214

tatttaaatgt	aggctagctt	gttttcaa	tttaaaagt	taaaaataaa	atactttgca	60
ttctaagttg	ccaataaaat	agaccttcaa	gtttatttta	atgctctttt	ctcactaata	120
ggaacttgta	attccagcag	taattttaa	gctttcagag	agacctgag	tcttctcttc	180
aggttcacas	aaccgcgcgc	ctttttgggt	agaagttttc	tactcagcta	gagagatctc	240
cctaagagga	tcttttaggcc	tgagtygtga	agcgcaacct	ccgcaaaacg	catttgccat	300
cacagttggc	acaaacgcag	ggtaaacggg	ctgtgtgaga	aaacggccct	gactgtaaac	360
tgctgaaggt	ccctgactcc	taagagaacc	a			391

<210> 13215

<211> 243

<212> DNA

<213> Homo sapiens

<400> 13215

ccccctggac	ttggctgggg	ctggctctag	tgccctgcct	tctatgacaa	attcgcgggc	60
gtaaagggaa	atacctcttc	tagggatccg	gagcctggga	atttaagtaa	ccctgacatc	120
agcgcttcct	ccttttagtg	aggcttcagt	ggacaggcgt	atttgggggtg	gccgcggggc	180
gtctgagatg	ttttttgggtg	gaatgagaca	atggcaacta	caagaagtgg	tagcttgagg	240
acg						243

<210> 13216

<211> 147

<212> DNA

<213> Homo sapiens

<400> 13216

acatggccgg	agagtcacaa	aaacaacagc	tttggccaag	accgtgactt	cagtaaaggg	60
------------	------------	------------	------------	------------	------------	----

aaccggggc tctcgagcc agccytctg cccatggagg acagtttctt tcaatctttt 120
gggaggctga gctccagcc ccagcaa 147

<210> 13217
<211> 205
<212> DNA
<213> Homo sapiens

<400> 13217
agaaccccga tcgctgagga gcaagggggc gctaggaaag ggaactgggt tgcgacggtc 60
cggcgagaga gagctgggtt gctgggggtg ggggaagttg gggagcagag gccgcttggg 120
gtccgagtag ggtaagacc cactgacggc cacagccccc tctgccctcc cttcctcctg 180
ggcgcccagc gtgaccagct ccacc 205

<210> 13218
<211> 238
<212> DNA
<213> Homo sapiens

<400> 13218
aaaatctctc ctcttctctt cactccagac actgcccgtt ctccgggact gccgcgccgc 60
tccccgttgc cttccaggac tgagaaagg gaaagggaag ggtgccacgt ccgagcagcc 120
gccttgactg gggaagggtc tgaatccac ccttggcatt gcttgggtga gactgagata 180
cccgtgctcc gctcgctctt ttggttgaag atttctctt ccttcacgtg atttgagc 238

<210> 13219
<211> 111
<212> DNA
<213> Homo sapiens

<400> 13219
ccccagtgt ccatgtaact tttgttttaa ctttgcacc ttctcagtgc tgtatgcggc 60
tgcagccgtc tcacctgtt cccacaaaag ggaatttctc actctggttg g 111

<210> 13220
<211> 377
<212> DNA
<213> Homo sapiens

<400> 13220
araaacacag tagctgtagc tgcacataga cgcttctctt ttctgtttcc cctcatccc 60
cctccctaga cctctctggg ctttgacgtc atgtgtgctc ctttcggttg ccatagcaac 120
cccattcccc aaagcyctck gtccgtctcc tmwgaatctc ttccatgta gtctggaatg 180
kgtttaatga aaaacaagta gggaggattt ctggggcaaa cactgccgga tcaggatcgt 240
agttctcagg cacggaatgg ctagtgtgag aaacaccaac agcaggccca tctcagatct 300
tcackatggc aacttatgca agaaackgtt gaattagacc cgtttcttat agatwgagaa 360
accatacaag ctgtggt 377

<210> 13221
<211> 514
<212> DNA
<213> Homo sapiens

<400> 13221

acaatggtac	aggcagcatc	acgctgcaca	atggtttcca	ggcagtga	gaggggtgatt	60
cagcaagcca	ctcttcttct	atcttcttta	acctccccct	cactttttat	ttttatgggg	120
gtgggtggtg	cttgctatat	gcttaccttt	ttcttttctt	ttttcatttt	tacaaatttc	180
cttttttgtc	ctcacccttc	aattcctagg	ggcttgagtg	agtttaagat	tgggttttct	240
tggaaatcac	ctgtccatcg	ttaattttta	acaatstcca	tatctccaaa	gaatctcttc	300
catgttagtc	tggaaatgtg	ttaatgaaaa	acaagtaggg	aggatttctg	gggcaaacac	360
tgccgatca	ggatcgtagt	tctcaggcac	ggaatggcta	gtgtgagaaa	caccaacagc	420
aggcccatct	cagatcttca	ckatggcaac	ttatgcaaga	aackgttgaa	ttagaccctg	480
ttcctataga	twgagaaacc	atacaagctg	tggt			514

<210> 13222

<211> 189

<212> DNA

<213> Homo sapiens

<400> 13222

aaatgctctc	cccagcccgg	agagccctgt	ccccatcggc	cactctgagc	tcgaggccta	60
aaggacagt	gaggaggacc	ctgcccaggc	tctcccgggg	ttaggaggga	cagagtgttc	120
naggaggagg	tttgagctga	gctcaggcac	aggtctctct	ctctctctct	ctctctgaca	180
caagcgac						189

<210> 13223

<211> 302

<212> DNA

<213> Homo sapiens

<400> 13223

attctgggag	cccacccag	gacaatggca	gggcaaaacc	agtgagcaag	gcagaaaatt	60
cctgaaattc	tccactgagg	cccagctgtt	cctctccttg	aaaagtcaag	gcttggttca	120
agccagatag	cacctgagga	cagaacatat	caggagccaa	gttacaccct	gtttaaccct	180
gccttcaaag	ggacgactct	gtaagattct	ctgctactta	ttcaagttga	cacgatgcc	240
ttcacactcc	acctgaggtc	ccgccttccc	tctgccataa	ggagtttgat	tctacaacag	300
aa						302

<210> 13224

<211> 392

<212> DNA

<213> Homo sapiens

<400> 13224

gcgcatgctc	gccaggatac	ccctcgttta	gggcaaggcg	gcttctggct	cttccgcang	60
ctcagttatg	ggttcctgtg	tgttagtca	tgggtccga	cacaggctgg	actgatctgg	120
ggagccgcga	agggcctgcc	ttcaciaaag	gacgtaacgc	aagtactgcg	ggcagtgttt	180
gaatatggcc	ctgaacaatg	tgtccctgtc	ctccggtgat	cagaggagca	gggtggccta	240
ccgctcttcc	catggcgacc	tcagaccgcg	ggcgtcacgt	tggcgatggg	ctccggagac	300
ggcttcctcg	tttccaggcc	tgaagcgatt	catctaggac	ctcnngcagg	cgggtgcgacc	360
aagcggttcg	gccgagagcc	gtcagagtga	tg			392

<210> 13225

<211> 216

<212> DNA

<213> Homo sapiens

<400> 13225

ggcgatgcgc gctcgcstcc cgcctcttag ctgcgctcgg ctgagtcagt cagtctgtcg 60
 gagtctgtcc tcggagcagg cggagtaaag ggacttgagc gagccagttg ccggattatt 120
 ctatttcccc tccctctctc ccgccccgta tctcttttca ccttctcccc accctcgctc 180
 ggcgtagcat ggcggangsg gggagaaggg tcgggg 216

<210> 13226

<211> 256

<212> DNA

<213> Homo sapiens

<400> 13226

cttttttttt tctgatagca ggcagccatc ttgcctggag cctgagaaaag ggaggagaga 60
 cagaaggaac cggcgacagt ggtctcaggg ccgctccggg gggcctcaag aacckgaggc 120
 agccccggag gtggtccccg atccccgggt atgctcttgg atctgagaag ggaaggcgga 180
 gggcggnsgg gacaagatgg gtggagaatg tcaagcaakg aatgctaggc gggggagkrg 240
 cgttgctatg gcgacc 256

<210> 13227

<211> 251

<212> DNA

<213> Homo sapiens

<400> 13227

cttttttttt tctgatagca ggcagccatc ttgcctggag cctgagaaaag ggaggagaga 60
 cagaaggaac cggcgacagt ggtctcaggg ccgctccggg gggcctcaag aaccggakgc 120
 agccccggag gctgccgcgg gcggacacgc cagaggagga ggccggggaa tggccgcggt 180
 gtggcagcaa gtcttagcag tggacgcgag gtacaacgcg taccgcacac caacgtttcc 240
 acagtttcgg a 251

<210> 13228

<211> 367

<212> DNA

<213> Homo sapiens

<400> 13228

ggaattcttg tacgcagttt tctttggctt tacgaagccg attaaaagac cgtgtgaaat 60
 gaaccttgct ctgacaattc ccttgcatg caccacacac tccttgctgc gggctcctgc 120
 agccagacct gagcagagag agaaggtgga gaagcagcgg gtctgcaagc cttccctggg 180
 gcctgcagag ctagaaaagg aggccagca gactggcgct ggtcagggtg ggggagccag 240
 gcgggggacg ggagcgggca gctcaggcct cagggcarcc ctsggaggct tctggcagtr 300
 gtggccagag ggctggactg tgcgggcags ttagsagga cagtggacgt gcacctgacg 360
 ctgacct 367

<210> 13229

<211> 148

<212> DNA

<213> Homo sapiens

<400> 13229

aaattgccgt tggggacgcc cggccgtgcg ctttcgccgg ctaacgtcgc ctgtgctccg 60
 agcctggttt gctcaccttt gaactgcaaa gggatcaagt tcagcttgag ttccctgcat 120
 tgggaaggag agagagcgtg caagagag 148

<210> 13230

<211> 685
 <212> DNA
 <213> Homo sapiens

<400> 13230
 gaggattttt ggaataaata atctatttta gagtttattt gctgatttgc tttttacaca 60
 ctttcatgtg aaagagtgat agggagaggg agcgaggctg gtgccgctta ttttgaagct 120
 ggtgccctcc cctcgccgtn gccacatgct ggaagcctga ggccctccctg gactgagcct 180
 gtggcactgc gtgcgggaca gttatgtttc cttgccccgt cgcattaatg aggcccttcc 240
 acatcatttt taaactaatg tttttctata ttaacattat tatggatatt tggctttcat 300
 aggccacaca caggtgtgct gcgcgggaag ccccatgctc caatcaaagg gatttttagt 360
 agtgccctcta agcaagcacc gatgagtcag tcccacgtat tttctttttt gtcagtattg 420
 tttgggaagg agacatgccg ggatgtgtca tctgtgccawa taccacattt cctgttggca 480
 cagtttcaca gaagtaaaca taagcatgtt ttaacagggt tttcttttct tttttctttt 540
 ttaaaatggt ttattttattt aaccgccat tgtgtgtttt aagtattttc tttttttaag 600
 gaaaggaaaa gcttgtcaca atctaactgg ctatgttatt attattaaat ttatgttttg 660
 caacttagaa accagctaca gtatg 685

<210> 13231
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 13231
 agtcacagaa gggggtgaga agtgggaaga ggggatttgc atagaacctc caattttcct 60
 tatttcctag ggagttgatg atttcagcca aatataagtc ttaacgttac atctgcaatg 120
 gaaaaacaag tcaaaactcag caaaaaggag ccctgwarag acagagttaa gtgcttccgt 180
 gatgagagta gagttggcct atgctgtccc tcccaggact cctttaccca agagaaagag 240
 agagtgtgca tccaaagggg a 261

<210> 13232
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 13232
 cacatacaca cccacaaaaa tgctcatgaa cccaatccgg agaaggttcc agcaggtccc 60
 ccaccctccc ctctctctcc tacttctcct cttgacagcg aggacaggag ggggacaagg 120
 ggacaccttg gcagaccgcg cggctctccc tccaccctga agtggggagg aaggggtggc 180
 aggaggcaaa ggtgtctggg gtacacctgg acaggtgtat gatgtggagg aggtggatgt 240
 gaaagatcct aactatgatr atgaccagga gaactgtgtt tatgaaactg tagttttgcc 300
 tttggatgaa agggcatttg agaagacttt aacaccaatc atacaggaat attttgagca 360
 tggagatact aatgaagttg cggaaatgtt aagagattta aatcttggtg aaatgaaaag 420
 tggagtacca gtgttggcag tacccttagc attggagggg aaggctagtc atagagagat 480
 gacatctaag cttctttctg acctttgtgg gacagtaatg agcaca 526

<210> 13233
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 13233
 agaaaggcgc aggcgcaacg ggcggcgga gtaggagcct gggaaggaag agggaaacggg 60
 tcctggcggg gctttgcaaa gggcccgtgt ttctgttgcg ggaagctccc gggggctcgca 120

cgtagcgtccg agcccaagcc cctccccctcc actcccccttc ctgctgtccc cggagccgcc 180
aagcggctac gttcttctcg gccckncgag atggcgctcg accccgca 228

<210> 13234
<211> 170
<212> DNA
<213> Homo sapiens

<400> 13234
ctctcgtctcg cgttgctggg agactacaag gccgggagga gggcggcgaa agggccctac 60
gtgctgacgc taattgtata tgagcgcgas gwcgggctct tgggtctttt ttagcgccat 120
ctgctcgcgg cgccgcctcc tgctcctccc gctgctgctg ccgctgccgc 176

<210> 13235
<211> 176
<212> DNA
<213> Homo sapiens

<400> 13235
ataaatcaat gtggagtggc tcagacaaag ggccggcatg cacaactggc aagaacaggg 60
tgagagccgc aggaattggc gctttatata cctagggaaac ccagcccat cagcggatat 120
ataaaagccc ttgtgttcaa ctgtgaaggg ggcaaccaac aacctgcttt taggac 176

<210> 13236
<211> 273
<212> DNA
<213> Homo sapiens

<400> 13236
agagtcaggc gcggacgact ttgtctgtag gaggcagcgc ggcttgagga cccggggagg 60
tgagatccgc cttattccgc cgccctctct cggagaggag ggagaagrnc ttgnttgcta 120
aggagaccaa agggcgggct tggtgctacg gaggcggagc agtgagacc tcaagaatcg 180
acctatcagg acgccagagc tgcttcagcg gtgaccacct tctccctcta acacattctt 240
cccttcttca caaacggccc atgtcagacg aag 273

<210> 13237
<211> 302
<212> DNA
<213> Homo sapiens

<400> 13237
gcttttccgc gtcttcttcg gtggcgatcc gcgtcctaga aaggcggtg ggctccacct 60
cgccctagaa ggccagcggg agccgtagga agccgtcgcg ggaagctcag ccgaattgga 120
gttgagccc ccggattgcg ctgaccctga gctctcagac tccccagtac aatgactcaa 180
gcagaaatta agctctgttc tttgttgctg caagagcatt ttggagagat ttaganaaaa 240
atnggagtcc atctgataag aaccggcagc cagccactaa gagtaattgc ccatgacaca 300
gg 302

<210> 13238
<211> 475
<212> DNA
<213> Homo sapiens

<400> 13238

004220" 666E560

tcacaattaa	tgaaataata	tcgatccatt	agtattaact	aaagtctata	gtttattcag	60
attgccttag	ttttgcctaa	tgtattttac	tgttccagga	tctcatatga	cattatgtta	120
tcaaatttga	taacattctg	gtccagaca	tttatattga	caagtaagga	gttgctgtgt	180
ctccttaggt	tcctcttggc	tagggcagtt	gtcagactt	tctttggttt	tgatgcctac	240
tttgatagtt	tcgaagagtt	ctggtcagac	atattatggg	atgccctca	gctgggattt	300
gtctgatatt	tttctcatga	ttacactgga	gttacgtgnt	ttttggagga	agacctcaaa	360
ggggaagtgt	catttcatca	catatcaagg	ggacacactg	accacatgat	tcaccactgt	420
ttttgttcat	cctgatcact	gtttgtcagt	ttctccactt	tgtaagctac	tcttc	475

<210> 13239

<211> 245

<212> DNA

<213> Homo sapiens

<400> 13239

aagtgtttcc	ggtggattcc	cagggactgt	cggaggtgtg	gactctgcct	gcctacctgg	60
tctgggaaga	gtttctacca	tgtgagcagg	gtcaggggtg	gcggcaaggg	ctgggtggaa	120
aggaagagca	aggccaggcg	ccggcgcgag	actcccttg	tcgtccaata	acctgccagc	180
gcctggcctg	gtcgccatcc	cacttttctc	cgcagatctc	cctagagcac	gaaatcctgc	240
tgcac						245

<210> 13240

<211> 394

<212> DNA

<213> Homo sapiens

<400> 13240

ctaagtgttt	ccggtggatt	cccagggact	gtcggaggtg	tggactctgc	ctgcctacct	60
ggtctgggaa	gatgtttctac	catatctccc	tagagcacga	aatcctgctg	caaccgcgc	120
wacttcggcc	ccaacttgct	caacacgggtg	aagcagaagc	tcttcaccga	ggtggagggg	180
acctgcacag	ggaaaatcaa	gactgtcttg	ggcagacctg	agaatctgca	ttttaagaag	240
atgattctca	ggcatcccga	agattgagat	ctggtgcvtc	aaagactcca	gccttcttgg	300
acatttattg	tgaaathacc	agaacagcat	ttggtcttac	acatactgat	ctctgttctg	360
tchwcttttg	gtcattaagc	tctctgggag	caga			394

<210> 13241

<211> 220

<212> DNA

<213> Homo sapiens

<400> 13241

gctgctggcc	agaaggttcg	gttgcgcggtg	tgccatggac	tcagccgccc	ggtgatattg	60
acaataggag	agagaaaagg	gcattgactg	ggacccaccg	cgggtagcga	aaggtggctc	120
tggcagcggc	ggctccagct	cctgcggctc	ctctctctta	ttctgtcccc	ttctcttgc	180
gccgctgcag	atccagtctt	cctccctccc	ttccccaccc			220

<210> 13242

<211> 454

<212> DNA

<213> Homo sapiens

<400> 13242

aaagtggaag	gccgggcagc	ccagctgaag	gcaataagct	gggctcaccg	ctgcagcaga	60
gttctgtgct	agccgggcat	aggggcgaga	gaaggcccag	aggcgacgtc	agagagaagc	120

aactgcgccc	cggtgaagag	aagctcgccc	atcaccggct	gggagccagc	tttcagtga	180
gatggcaggg	ccagaactgt	tgcttgactc	caacatctgc	ctctgggtgg	tcctacccat	240
cgttatcact	cttcgtagrc	aygatccgcc	actacgtgtc	catcctgctg	gagagcgaca	300
agaagctcac	ccaggaacaa	gtatctgaca	ggggacragg	cacccacagt	ccctctccca	360
taagcctgcc	aagaagattg	atgtggcccc	tgtaaccttt	gacctgtaca	agctgwaccc	420
acaggacttc	attggctgcc	tgaacatgaa	ggcg			454

<210> 13243
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 13243	
ttctatggct	gagatagcta
ttcttccca	ccctgattgt
tctgtctttt	tatgttcagg
caattgtcag	ttacataaac
	tattagctta
	gtaagcgaaa
	tgctaaggta
	gagatat
	60
	120
	180
	237

<210> 13244
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 13244	
gtcgccatgt	ttgtttgtgg
gtgcgctgaa	gctagagatt
gaagggtggc	tcgggtgatc
caccccggtc	ccggtcacc
ccattccgag	accccgatc
	cgcggcgacc
	c
	60
	120
	180
	240
	271

<210> 13245
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 13245	
agacaggaca	agaacagcaa
tcacacctcc	ggccccaaga
gctccagaca	tgtggctctt
catccatctc	cagccccacc
	tgaccag
	60
	120
	180
	207

<210> 13246
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 13246	
ataattgaag	gaacccggag
tggaagtgtac	tgccgcgcca
ggtagtgtct	agaaagggtg
ataacaatcc	aggggggtca
aagacgactc	aataggagga
	aggtcacatt
	tagggcaggc
	araacakaag
	gg
	60
	120
	180
	240
	292

<210> 13247

<211> 353
 <212> DNA
 <213> Homo sapiens

<400> 13247
 ataagctcgg tttcttcata atctttgttc actccatctc tccgttcctt ggcacgaccc 60
 cggtagctct ctgctagctc tctctctctc tcaatttctt gttggcgtas ttagcataat 120
 aacttttctt tttcctcctt cgtgcagctg ggtcttcctc ctcatgtac tcccttggca 180
 tctcatgggtg acgtgactta gaagggtggg cagaggtagg tgcagccctg ggggtcatga 240
 gaagtttctt gaagtcttca ttggtgagtt ttgattgggt gaaggagtga ggatcatcca 300
 catcgtggcc atcaggggcc aaagggttgg agaacggctc actatctcgc tcc 353

<210> 13248
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 13248
 agtgggccc catgttgctg gagtgaagg taagggggag cgagagcgcc agagagagaa 60
 gatcgggggg ctgaaatcca tcttcatcct accgctccgc ccgtgttggg ggaatgagcg 120
 ttgcatgtgt cttgaagaga aaagcagtg cttggcagga ctctttcagc cccacctga 180
 aacatcacc tcaagaacca gctaattcca acatgcctgt tgttttgaca tctggaacag 240
 ggtcgcaagc gcacacacac cagctgcaaa tcaggctcct gcagctggga ctactccag 300
 cncgtgcccc ggatctatag gagttgcagg ccgttcccag gacgacgcta tgggtggacta 360
 cttctttcag aggcagcatg gtgagcagct tgggggagga ggaagtggag gaggcggcta 420
 taa 423

<210> 13249
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 13249
 acgcccgtcs ttaggctgtc tctgtctccc tragagcgag tctcttcgct gctctctaac 60
 tcctagagct ggctcagaaa gagtttcaca ttgccatagg ggagctccta ggagaggctg 120
 caccattgac acgctctttc tggcaaaagg taatgacata cgcattctgt ccagcatccc 180
 aagagtgagg ctggtttctg gaaatccatt ctgactctgt gacagcgggg atggatgtga 240
 ccttgcccgt ggtagaaaa caaatttaac tgaagatcta atccaggatc atatgctgcc 300
 tttaggtgac acatcctttt agtctccttt aatcaggagc agtttctcag tgt 353

<210> 13250
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 13250
 acgggctatt taaaggtacg cgccgcggcc aaggccgcac cgtactgggc gggggtctgg 60
 ggagcgcasa gccatggcaa gccgtctcct gctcaacaac ggcgccaaga tgccatcct 120
 ggggttgggt acctggaagt cccctccagg gcaggtgact gagggcgtga aggtggccat 180
 tgacgtcggg taccgccaca tcgactgtgc ccatgtgtac ca 222

<210> 13251
 <211> 84
 <212> DNA

<213> Homo sapiens

<400> 13251

tactagtatt ttttttcact tacacattgg gattgttttt ttaaaggtag tcaaatatga 60
cagtctatat tattgtttct ctat 84

<210> 13252

<211> 370

<212> DNA

<213> Homo sapiens

<400> 13252

ataaatttct ctatcctgct ctgaggctaa ttggtaccat attttccctt tgtgtcttgt 60
gactctgccca catcccatct catcctggcc tctgagtcaa gaacccagtg aactgacttt 120
ctagttctag aagtttctc tgcaaggcca ggaaagcttg agaaaggtag tgtggaagaa 180
gcaaaggtag acccccatca ctcacctttg tctgcatccc tgggcctgtg aatgatgaca 240
gcacctgaca ttctgcacca gctacctctg cctccatggc agagaaaagg ccataagaac 300
agtgaagag gagcatggac tcagacttca aggaagaagc catttccnca ggtccttctt 360
tctgcatctc 370

<210> 13253

<211> 129

<212> DNA

<213> Homo sapiens

<400> 13253

tagactacac atttgataac tggttcttga ggtcctctta tacgccagac actattctag 60
gttccaatgg cacagtttta attaaaggta gatgatgtct ctgccctctt ggagcatttt 120
attctagtg 129

<210> 13254

<211> 347

<212> DNA

<213> Homo sapiens

<400> 13254

gaagcagaag cctgtgtggc ttcccggcgg ctgattcgag ggcttgtttg gtcagaaggg 60
gggcgtcaga gaagctgccc cttagccaac catgccgtct gagggtcgct gctgggagac 120
cttgaaggcc ctacgcagtt ccgacaaagg tcgcctttgc tactaccgag actggctgct 180
gcggcgcgag gctgggttgg gtgaotcatg ccataatcc caacactttg cgaggctgag 240
gcaggacgag tgcttgaggc cagttcaagc tgggagccag gcttggtgtc tcacacctgc 300
aatcccagca ctttggatgt tttagaagaa tgtatgtctc ttcccaa 347

<210> 13255

<211> 156

<212> DNA

<213> Homo sapiens

<400> 13255

cgcctttcgt gacaaataaa ggtcgtagcc gcagagtcaa cgggcggast aaagtggctc 60
tgattcatgc tgctcgcgga accccgaagg tggggcccca cgtaacaaga agatgacctg 120
aagttgctcc gcagtgggct gcagaccsg tgacaa 156

<210> 13256

<211> 425
 <212> DNA
 <213> Homo sapiens

<400> 13256
 ctttcctttg agagaggttt ccgctgtagg agcagagctt ccgggctgcg ctcttcgttg 60
 cccagtttcc gctcagtggg cgcgctctccg cccccaccc accagtcccc ctgcattctc 120
 ggccgggctc taggcgccat ggctccccgc gggaggaagc gtaaggctga ggccgcggtg 180
 gtcgccgtag ccgagaagcg agagaagctg gcgaacggcg gggaggggaat ggaggaggcg 240
 accgttggtta tcgagcattg cactagctga cgcgctctatg ggcgcaacgc cgcggccctg 300
 agccaggcgc tsggcctgga ggccccagag mttccagtaa aggtgaaccc gacgaagccc 360
 cggagggcag gcttcgaggt gacgcngctg cgccccgacg gcagcagtgc ggastctgga 420
 ctggg 425

<210> 13257
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 13257
 agattctttg cagcctagac agaggaggca ggagccccag gggcgggcta atcgctctgg 60
 ctggggatgc ctgggcagat gcagaggaag ctggaaaggt ggcagtgcac ctgggtcgct 120
 ggagctgccg ccgttcctag gagaccaagg agcagcaagc ctgcggggga gggggagcaa 180
 gtgggttgct gcttttagca nntgaaaggg ctgcagggag ctctgggtaa gacattttct 240
 gttgctgctg cttttgcggt agaagctgct gcgagtaagt cagaggaagg a 291

<210> 13258
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 13258
 tttcccctgg tgaagtgaca agtacaatta aaggtggctc tgaaatggcc tctggtttct 60
 tgggagtcgg gcagggatag gcgtacggcc agggctatag gttgctgcaa atgccattat 120
 ttcattcctt cttatggctt agtattccat agtgcataata tatcacattt tctttatcca 180
 ctggttggtg gatggg 196

<210> 13259
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 13259
 agcgaggcgg asggncgccc ggagtrkcaa kaggaggagg akgatggaga ggtcggagcc 60
 gtctccagga gcccttagag accgagtcctc ggcggcgacg gcggggcagc gcaccggcag 120
 gcgattcat tccacttaaa acctgaaaac attggaccac acaaagtctt actgatttca 180
 ggtaaaaaca ataattgaag atgtccagca aaacagcaag caccaacaat atagcccagg 240
 caaggagaac tgtgcagcat taagattaga agcctccatt gaaagaataa aggtttcgaa 300
 ggcacgcagc ganctcatgt cctactgtga ggaacatgcc aggagtgacc ctttgctgat 360
 aggaatacca acttcagaaa accctttcaa g 391

<210> 13260
 <211> 208
 <212> DNA

<213> Homo sapiens

<400> 13260

tgtttaattc	tctgccctgg	ggaaggagga	tggattgaga	gaatgtcttt	ctcctctcct	60
aagtctttgc	tttccctgat	ttcttgattt	satcttcaaa	ggtgggcaaa	gttccctctg	120
astcttcccc	cactcccat	cttactgatt	taatttaatt	tttcaactcc	cagagtctaa	180
tatggattct	gactcttaag	tgcttcca				208

<210> 13261

<211> 141

<212> DNA

<213> Homo sapiens

<400> 13261

acagcagaca	ttgcaggcct	gaagaaaggt	ggtcacaaga	ggggtggaac	attcctgcaa	60
atggtttcaa	tatatgcaga	tgtctcgata	taggaatgaa	attacgtctt	tggaacaact	120
taaataagtc	aaatatactt	g				141

<210> 13262

<211> 670

<212> DNA

<213> Homo sapiens

<400> 13262

caaataacg	ttgtcatgtg	cttgaacatg	atgctaacc	tgacaggatg	aaggaaagta	60
atattctttc	agtgtagttc	aggagagcat	ttgttttctt	ttctaccaat	taaccatca	120
ttgtctttta	acaaccatct	gaaggagcag	agtcgcaggg	tagaagacag	aagggggatc	180
tatgtggtaa	ctaaagaatg	tttctgtttt	gttaattatt	gtgtgtgtgt	ggttttattg	240
tttgcttaag	agaatcaaaa	actgaaaaaa	atgagaatac	aggaaatggc	tcttgtttat	300
ttttttgctg	tgtttacagc	ttgttaatgc	tctactgtct	ttgtttcaag	agagatttgt	360
tcactgccca	gctcgttttg	tgtcctgagc	cctatggcca	gccacacctt	taaatcatgc	420
ctgttttagat	gtttgatttt	gttctgtttg	ctattgttat	cttaaagggtg	tataactctg	480
acatgccaga	catcaaatta	agctcaaatt	aagctctcgt	ttaaatgttt	aagcacctaa	540
tttatattct	aattgatccc	agccactgat	gcatgtactt	tagctacttc	tgctaaataa	600
gcatattaat	ttccacatc	agaccatcag	atcttgagaa	ccmacagtta	tctagaattc	660
cgtgtctact						670

<210> 13263

<211> 409

<212> DNA

<213> Homo sapiens

<400> 13263

aggacgtaag	tgacggcgaa	ggcgggtgca	casagctgga	gggcagagga	ggcggcgcg	60
ggtgtcctgt	cctcgccatg	aggccgcagc	aggcgccggt	gtccggaaaag	gtgttcattc	120
agcgagacta	cagcagtggc	acacgctgcc	agttccagac	caagttccct	gcggastgga	180
gaaccggatt	gataggcagc	agtttgaaga	aacagttcga	actctaaata	acctttatgc	240
agaagcagag	aagctcggcg	gccagtcata	tctcgaagg	tgtttggtt	gtttaacagc	300
atataccatc	ttcctaattg	atggaaactc	attaatgaga	aaggttctga	agaaagtctc	360
caaaatacat	tcaagagcmg	aatgagaag	atctatgctc	cacaaggcc		409

<210> 13264

<211> 308

<212> DNA

<213> Homo sapiens

<400> 13264

acttttcagtt	tcattaggct	ctgaagccat	tacaaagggt	gcttaacttc	taattatttg	60
atcactgagg	aaaatccaga	aagctacaca	acactgaagg	ggtgaaataa	aagtccagcg	120
atccagcgaa	agaaaagaga	agtgacagaa	acaactttac	ctggactgaa	gataaaagca	180
cagryaagaa	ctcctattgc	ttcctctcca	gctctgaagt	acctcagctc	agggacgtgg	240
agcctataac	gttgtggcaa	ggatgggaag	gaatttataa	gtcagttcat	tttcttaaaa	300
atgaccag						308

<210> 13265

<211> 405

<212> DNA

<213> Homo sapiens

<400> 13265

cttttttttc	ggggtcgagt	ccgaggggga	agaggtttgt	taatacgttc	gccatgtgct	60
acgatcttgg	gacgaactga	gccacgagcg	tggctttgag	ggccgtccga	acgctgcagg	120
ccggccaggt	ccctgggctg	ccaggcctgg	cctacgcacc	actttgtccc	ttagcgttta	180
aaggtttctt	cccgaatctc	aggccctcag	ctacctgcag	gtaagactgg	gccgggcttg	240
ggttccctta	ttctcccagt	ctgtgatgaa	ttgctttgac	ttctgacacc	tcgtatgaaa	300
actgcacgtg	cagtctgatt	atthagcaag	actgaggcct	gaggggtgcg	actcctgacg	360
gggagctgag	agtggaaaca	ggtgttgccc	gaaacgaagg	agtkg		405

<210> 13266

<211> 241

<212> DNA

<213> Homo sapiens

<400> 13266

cttttttttc	ggggtcgagt	ccgaggggga	agaggtttgt	taatacgttc	gccatgtgct	60
acgatcttgg	gacgaactga	gccacgagcg	tggctttgag	ggccgtccga	acgctgcagg	120
ccggccaggt	ccctgggctg	ccaggcctgg	cctacgcacc	actttgtccc	ttagcgttta	180
aaggtttctt	cccgaatctc	aggccctcag	ctacctgcag	gtttcgtcgc	gagccggctg	240
c						241

<210> 13267

<211> 187

<212> DNA

<213> Homo sapiens

<400> 13267

agtgtcttac	agcagttaca	cacaggcagt	ggtatctgtg	agcagctctg	tggactcaaa	60
ggttttctcc	ctgagaggca	tgaccagggc	cagctgattc	atcagaatca	ggatggacgt	120
ggtagaggtc	gygggyagtt	ggtgggcaca	agagcgagag	gacatcatta	tgaaatacga	180
aaaggga						187

<210> 13268

<211> 290

<212> DNA

<213> Homo sapiens

<400> 13268

tatgtgaaat	gtaagtcctt	aaagtaaatt	ttaataacgc	tgtaaactgg	catttcttta	60
------------	------------	------------	------------	------------	------------	----

ttttttataa	tagtattttg	agagttccca	attagtagaa	gagtcttggg	tctctttcaa	120
cttccaagag	gccctagtcc	taagagacaa	gggtgaagga	gttctagagg	gtctcactcc	180
agtggttcct	agtacgtcct	tgtgcaacga	ataaatggat	ggttggtgaa	cagtccgaca	240
gcagagaaga	accaaagggc	aagtgcaaac	cagagtggg	aattaggagg		290

<210> 13269
 <211> 628
 <212> DNA
 <213> Homo sapiens

<400> 13269						
ttaattatga	atgcatatcc	tatttccagg	caggctctct	tacttgaaca	caaattccaaa	60
aactaattta	gagtcttttt	tgcccagatc	ttttaagact	tacaccccag	agattttaaga	120
agaaaacctc	taaatttcaa	aattatgaag	aattacagaa	ttactcattt	aagggtacttt	180
aaaagaagtt	tgtacattgt	caaagtaaat	tttaattcaa	atcatgtctg	taaaacttga	240
cgtattttgt	gtatgcatgt	tttcattttg	caaattttta	atatatagac	ctatgatgta	300
caggtagcac	atgtataggt	tacctagatg	ttatgagaaa	ttttagttta	ttgtgagtac	360
tcaagttgct	tagagagcca	ccagggtgat	ttgctgctgg	ctttctatca	tttttatgtt	420
ttaatgcaaa	ggaaatttta	aaatgttctg	gaagtgtttt	tgattaagca	atgcagccta	480
gaagcaatgg	ttctgttcaa	tcattcagat	gttagtgga	gcataaaaagt	caagactgca	540
tggtgaaacc	tttcttttga	tagttactga	actgcttggg	taaactaaat	ggaacccatgt	600
gctatttttc	acaattattg	acctgtat				628

<210> 13270
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 13270						
ccaagactcc	aacattgcac	tctgtaaaagt	aacacactgt	gatctagtat	tatttatcag	60
tagataatac	tgttctgact	gtatatacag	tctagaac			98

<210> 13271
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 13271						
tgaatgatag	agattatgct	aaattaatgc	tgattctttg	tgtgtgtggg	aaatctctgt	60
agagcacctt	ttctttctta	gactaagtaa	cccagtacaa	tagttgtgaa	ctgaataatt	120
aaaacttttg	cttctcttag	gaaaagacga	cttcctagtc	ataggtgtcc	tatggggaaa	180
tttatttttt	ttaatgtcct	gttccttaat	gctgcaaatt	atcagtattt	ataaagtaac	240
tgattttgca	ccactttttt	gttactttga	ccacggcaga	acaatgtctt	ctagactata	300
tctatgtaaa	gttattagaa	tggtatctgt	tcatttttagt	gatatgaaga	tcacaactaa	360
caactgacaa	atcagagttt	gccagtwcaa	attcagcatg	gctgcagctg	attaagaaat	420
tgatatgatt	attctttgct	agcctctctt	actaatggaa	ttatatactg	gccagtaaaa	480
tgggcctccc	aattgctgtt	tcagcagggt	ttaaaccttc	aggaacacca	gtyaggaaaa	540
tagct						545

<210> 13272
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 13272
 tcctcgtggc ctcagctgac ctttccactg tgagcgctcc attttcccac aatgcagcct 60
 ctaggaggct gcagcggcac tatggccagt gtctactctg ttttgtggtg tcctggccat 120
 gctggtttag ggaggtaaag taacttgtcc aa 152

<210> 13273
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 13273
 ctactgatak gaagagaaaag ctataactaa agttaagaca atgttaaagt aagggtccaat 60
 tctcagttat ctacagggt atccaaaaga aaaatggaaa tttcatttaa aatagctgca 120
 tcttttaagt aggaatattt tgggctatta tatgccagac tcatcactgg tgctatttaa 180
 tttctcctcc catcaatgag agctctccct gagacacatt gtgagatctt tctgaggatg 240
 aaatcactta accccagcaa cgccactgat tattttcagc tacaacaacc acacttctat 300
 gcacacacat caatca 316

<210> 13274
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 13274
 gaaagtaagg ttcctacagg cttggagaag ggaggaatgg agaagtgctc cctaaagtgt 60
 ggtocatgga actgctctgc caaccatttg ttgtcagtca gtaatgagga gcacagaaat 120
 agaaag 149

<210> 13275
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 13275
 ttaatttctt ggtaacagct ttttaatccc acaaagtaag tttttacaac gtttaaattg 60
 tctgtgtcta gtgattgcag cattaagatc ttggacatag ggcngaaggg ctcctcaagt 120
 acggccaaag tgggagccca ggcagagga 149

<210> 13276
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 13276
 aagaaacggn kggctgggca gctgatgggc aggagcttac caggctggct tgctctgagc 60
 tgcggttact gtgtccaggc cccgggttct cagaactgtc atacataaag tacacagaaa 120
 tgaagagaaa agtcgtgaat actcacaagc tgagattgag tcctaattgag gaagccttca 180
 ttttgaagga agattatgaa agaaggcgaa aactaagatt gctacagggt cgag 234

<210> 13277
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 13277

agttcctagg	ycagcctgtc	acgtgggagg	gaggctcggc	gctcaggaag	catggcactc	60
tggcgggcat	accagcgggc	cctggccgct	cancctgtgg	maagtacagg	tcttgacagc	120
tggtgagtgt	ccctctagga	cttgagtggg	accagggcag	actgatttgg	aagccagagg	180
cttgccccac	tgcaccaccc	tcacttcctg	tttctattcg	gckctcttga	agggttggct	240
gtctttcatc	ctacactgtc	cccagtcctgt	tttggagggt	ggccccann	gctgttttta	300
aggggtatgc	gtagttggcc	aagctgtgcm	gtagggtttt	aggattc		347

<210> 13278

<211> 244

<212> DNA

<213> Homo sapiens

<400> 13278

ttcccccttc	tgtgtccatg	tggtctcatt	gttcaattcc	cacctatgag	tgagaatatg	60
cggtgttttg	ttttttgttc	ttgcatagat	ttactgagaa	tgatgatttc	caatttcac	120
catgtcccta	caaaggacat	gaactcatca	ttttttatgg	ctgcatagta	ttccatgggtg	180
tatatgtgcc	acttattatt	tctcagtatt	gttttatagc	atcacaccaa	agtacagttc	240
agta						244

<210> 13279

<211> 320

<212> DNA

<213> Homo sapiens

<400> 13279

aaagtacctc	cgactgaatc	ccacagacag	cgctttgagc	agaacgcacg	gctcaactca	60
ttcatatggc	cttgaaccca	cagtgaattg	aagagagaaa	gaaatggata	tgtctgacct	120
caattttttg	gactgtgctc	tcaaacttta	ctttgcctca	tttgaggagt	gggaacaggc	180
ttcggcgaac	acaaagtgtc	cgaacangca	accggaaaag	cttaataggc	aatgggcagt	240
caccagcatt	gcctcgacca	cactcacctc	tctctgctca	tgaggaaat	agccctcaag	300
atagtccaag	aaatttctcc					320

<210> 13280

<211> 131

<212> DNA

<213> Homo sapiens

<400> 13280

aattactgag	ggcttatata	ttggtgttat	aaaagtgact	tgattcagaa	atcaatccat	60
tcagtaaagt	actccttctc	ttaaatttgc	gttatgtcta	taaggaacag	tttgacctgc	120
ccttctcctc	a					131

<210> 13281

<211> 377

<212> DNA

<213> Homo sapiens

<400> 13281

ttcagagagg	tcagttaagt	gacggattct	gttgtggttt	gaatgcagta	ccagtgttct	60
cttcgagcaa	agtagacctg	ggtcactgta	ggcataggac	ttggattgct	tcagatgggt	120
tgctgtatca	tttttcttct	ttttcttttc	ctggggactt	gtttccatta	aatgagagta	180
attaaaatcg	cttgtaaagt	agggcataca	agcatttgca	acaaatatcc	aaatagaggc	240
tcacagcggc	ataagctgga	ctttgtcgcc	actagatgac	aagatgttat	aactaagtta	300

aaccacatct gtgtatctca agggacttaa ttcagctgtc tgtagtgaat aaaagtggga 360
aattttcaaa agtttct 377

<210> 13282
<211> 341
<212> DNA
<213> Homo sapiens

<400> 13282
aaacagtgt acccacagag tgaacaagag agagtcattt gggaaacaaa aggagaattt 60
tacagagaga gagggatagc taaaactacg tgagcctggc gaggggtgcag agcagaaagt 120
agagactgtc cgaagactgc tatctgggac gagacaagt gttaaaagga caggagagaa 180
agcagagcta tttcaagagt gagccacaga agggaatcca gaggccatct aagcgaggaa 240
gggtctacag gcagtgagt aaggccagga gcagggccca ggccaggcac gaccaccgag 300
gggatgaact tcacagtggg tttcaagccg ctgctagggg a 341

<210> 13283
<211> 220
<212> DNA
<213> Homo sapiens

<400> 13283
aaactcttcc tagggttctt tctagagtac ggcagcaagt tgtcagattc cctagttgaa 60
tttgcttttg acatcagtgt gaagcagaac tgatatgcc cttgaattaa taaaggaagt 120
caatgggggtg cctgaagttc agccgctgag taaattacat aaagtagatt tcggatccct 180
acagccaggt tacaattata gcaagaaata tattcaggga 220

<210> 13284
<211> 442
<212> DNA
<213> Homo sapiens

<400> 13284
ccctttcgag aggtgaattt tacaacccaa gaagcattac tcagcagggga gagtcccgtg 60
ttctcagagt aaaagttgtt tctggaattg atctcgccaa aaaggacatc tttggagcca 120
gtgatccgta tgtgaaactt tcattgtacg tagcggatga gaatagagaa cttgctttgg 180
tccagacaaa aacaattaaa aagacactga acccaaatg gaatgaagaa ttttatttca 240
gggtaaaccc atctaatac agactcctat ttgaagtatt tgacgaaaat agactgacac 300
gagacgactt cctgggccag gtggacgtgc cccttagtca ccttccgaca gaagatccaa 360
ccatggagcs acctrtacat ttaaggactt tctcctcaga ccaagaagtc ataagtctcg 420
agttaaggga tttttgcgat tg 442

<210> 13285
<211> 175
<212> DNA
<213> Homo sapiens

<400> 13285
taatcctgtt ttaaattttt ccattgataa gactcgcata cagtttggtt ttgtgatatt 60
tctggctctt ttgtttcttg tgttttagag aacaccaggg gactgtaaag tatactcagc 120
aatatgtttt agaacagact gttttctttt gcatacctaa tcttttccya acatg 175

<210> 13286
<211> 162

<212> DNA
<213> Homo sapiens

<400> 13286
tgactgactg atttgactga gaacctagtg tgtgataacg tgtcactgtt tctgtcaact 60
tatataattg aggtcttttt aattgttctt accttagacc actatatact tgtgggtctta 120
taaagtatat ttgaaaatta tagcattttc atgttttgtc tg 162

<210> 13287
<211> 199
<212> DNA
<213> Homo sapiens

<400> 13287
ttgtttcaaa ctgctcttct tttgacaagt gacttccagg ggatttaaag ggctgggtact 60
gtttcttttt tcttttttgt tttcaaattc ttctcagtta cacatggaac attttccagg 120
atagatcgtg ttttaggaca caaatttttg cctcaaattt aagaagagat accatacaaa 180
gtatcttctc tgaccacaa 199

<210> 13288
<211> 207
<212> DNA
<213> Homo sapiens

<400> 13288
tttaatgcat aaaccgaatt aggggtccagt tggcctgtta atggtaaatt tacattttta 60
atgactcagt ttgtttttcc tgggagagtt tgcaatgtga taatcagatt ttttaaaact 120
gattaattgc tttcttgtgt ggggtgtactc acatttttaa gtatgaacca cagttaacta 180
gtggtctcag gggtagtgaa acactca 207

<210> 13289
<211> 140
<212> DNA
<213> Homo sapiens

<400> 13289
ctcctcttgc taccctcccg gcgcagagaa ccccggtgct tcagcgcgct ccgggtcatg 60
gagatccccc ggagcttgtg caagaaagtc aagctgagca ataacgcgca raactgggta 120
agctggggac gaaggcgaga 140

<210> 13290
<211> 162
<212> DNA
<213> Homo sapiens

<400> 13290
ctcctcttgc taccctcccg gcgcagagaa ccccggtgct tcagcgcgct ccgggtcat 60
ggagatcccc gggagcctgt gcaagaaagt caagctgagc aataacgcgc agaactgggg 120
aatgcagaga gcaaccaatg tcacctacca agcccatcat gt 162

<210> 13291
<211> 409
<212> DNA
<213> Homo sapiens

<400> 13291
 agtcacagag gaagccattt ccagagagga acaaccgtgt agactgcttt cctgggagtc 60
 aagttaaaac tctctcctgt gaccttgtca ccggcagtg aaagttaccc ttggctgcag 120
 ccacgacttc cgcatactct tcagaacttg ctctgccctt gagttttcca gctttccttt 180
 aatgcactaa acctttaata ttgtattctc taaatgaga cgtctcgcat ttgagcaggt 240
 aacactcggg agagtcccggt attctcagag taaaagttgt ttctggaatt gatctcgcca 300
 aaaaggacat ctttgagacc agtgatccgt atgtgaaact ttcattgtac gttagcggatg 360
 agaatagaga acttgctttg gtccagacaa aaacaattaa aaagrcact 409

<210> 13292

<211> 115

<212> DNA

<213> Homo sapiens

<400> 13292
 atctctgacg gttgtctcgg ttactcattg ggttgtcttc tggcctcaga gtatccctta 60
 tcagaacctt gggcccttgg gcctttcact cagtacttgg tggaccacca tcaca 115

<210> 13293

<211> 280

<212> DNA

<213> Homo sapiens

<400> 13293
 aatctgacgg ttgtctcggg tactcatgta agcggaaatt cgggtgggctc ttaggatagt 60
 ttctgctttc tagtggttct gtctttgggt cctcacctct gcatgggtac taacgggta 120
 tccgagccta agcctctcac gaagcggaaa gtcaagttaa cagactgcca taggcctgcc 180
 aagtcagaat agggcttccg aagcagaatg tttgagccaa taggaattgt ttggaaaacg 240
 gggataaatc taaaggatgg gtaggattta agtggtaagg 280

<210> 13294

<211> 129

<212> DNA

<213> Homo sapiens

<400> 13294
 aacaacacaa gatggcgcaa ataagcccaa gggtcagaat aatttggcct tacacaaagt 60
 catcacggtg ggcagtgccg gtgtgggcaa ggcagctctg actctacagt tcatgtacga 120
 tcaaagaag 129

<210> 13295

<211> 373

<212> DNA

<213> Homo sapiens

<400> 13295
 ctgtagagaa ttgattcaga aaagtgtctg tgaaagaaaa acaattattt tgtcctgttt 60
 ctcaaacagt gttaagcagt tttgttaata gacatttttg catcgacact tcaacattaa 120
 cactttgaaa gtcatgggtc ggtgccagat ttaagaaact cgaaccacct aatatttcat 180
 aaccttcttc attaggtact tgtacagatt aattttctaac attgcagcag tttcatatgt 240
 gtgcaatatg tgcattcttt catttttagt ttgcacttgg ttttctataa agtacgtttt 300
 tactcagttc atgcgtgaac aattttaaaa acgacagaat aaggtaaaaa tgtagtgtat 360
 ttaataaact gtc 373

<210> 13296
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 13296
 tgatcctatc cctaaagtca ttaacacaga tttggaaata gtgggattta ttgatatagc 60
 tgatatttca agtccccag ttctgtccag acatctggcc ttacctatag cacttaacaa 120
 agaaggtg 128

<210> 13297
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 13297
 tcagtaaggt gaggtatgga gggcaggcaa aggcagcaga ggtaaggagg cagggtgtggc 60
 cctcagctga tactccactc cccacaaagt ccaggaagac cctgccacca tcctttgtat 120
 ttacagtgtt ttgtctggca gggctgccct ttccaattga gttctgaaga cacagtttag 180
 gaggtgtgag gagggaatgc taaaggaaat ag 212

<210> 13298
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 13298
 atgcgtcctc aaagttcaaa gtctctgata cgcttgaggc gcctcaggcc tcgtggctgc 60
 cagcattttt ctgctttaag atcctttcca tgacttcctt gtttaggcca gcctccacga 120
 tccagctgcc aaccatctag cctaccctga tctctgagca ggggtcgtcg tcagntactc 180
 cagaggagac tgaagccaaa agactcccc tcc 213

<210> 13299
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 13299
 acanggactt gtgagtctgc gcagaaggcg ggatgccttt gractacaat tccaagaatc 60
 cttcctgggt ctcttcgggc gcagactttt cgccaaagtc ctgaagatct cagggcttga 120
 aggagggggc atccttcttc tccattgkag tagtgtgtct tgctaaataa cagaaggac 180
 tcctgaaaag aaaatgacgt tggccgggcg cggtggctca cgctgcaag tcccagcact 240
 ttgggaggcc gagacgggcg gatcacgagg tcaggagatc gagac 285

<210> 13300
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 13300
 cgaaattcca cgttcttaac tgttccattt tccgtatctg cttcgggctt ccacctcatt 60
 tttttcgctt tgccattctt gtttcagcca gtgcgcaaga atcatgaaag tcgccagtgg 120
 cagcaccgcc accgccgccg cgccccagc tgcgcgctga aggccggcaa g 171

<210> 13301
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 13301
 aaagtcgcga ggtgcatccg cttcggctgc agctatttac tgaggacca ctggatgtca 60
 agcattgtgc atagttttct tcgattgttg caacatccct tgcgagagtt tcactcctgt 120
 tgcccaggct ggagtgcaat ggcatgatct cagctcaccg caacctc 167

<210> 13302
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 13302
 tactgagtca ggattgatgc tcatgaactt ccagccatgg ctttaactct actcctttgg 60
 gtgacatttg agcatatttg atctgctatg cgtggaaagt cactttactt ttatttgccc 120
 ccactccatt gaaaaaaaaa aattagatga tagcagcatt tcttaaagaa cagaatgcat 180
 atccctgac atgtcacaa ttaggcgtaa ttctttttta catgaccatt tttaagtttt 240
 caaaaacaat tgtcaagcct gtkgtagtct tatctttcca aagctaacca tcattcttcc 300
 ggactttttt gtggatgttt ttaatgtctt cattgctctc cttgcaatcg gtc 353

<210> 13303
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 13303
 gtggcccgga tgttcggtgc agctgccaga tccgctgac tagtgcttct cgaaaaaac 60
 cttcaggcgg cccatggcat gccttgact ttattgtggg aagaccctat tatttaaaaa 120
 tggctcaact gaaatatatg gaag 144

<210> 13304
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 13304
 gaggaagtct aaccttttggg agactccaag acagcrgctc cgaggctcggc gggggctctgg 60
 gtggccatgg aggagcccc tgtgcgagaa gaggaagagg aggagggaga ggarghcgag 120
 gagmgggrcg arggtkrggc ccgagggggc gmwggggcaa gagccccctc cagctgrccg 180
 ccgaggacgt gtatgacrtc tctacctgt tgggccgcga gcttatggcc ctaggcagcg 240
 acccccgggt gacgcagctg cagttcaaag tcgtccgcgt cctggagatg ctggaggcgc 300
 tggatgaatga gggcagcctg gcgctggagr mgctgaagat ggagctttct caggacaaac 360
 agaaagttag ggaaacacac tacatttgac arcbaagcat taatttgtag ttggctcctaa 420
 mccttcctgg cacagctatc aa 442

<210> 13305
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 13305

aaataagaat	agcattttaca	tagacttcct	gtgtcccaca	ctgggtctaag	agtttaggggt	60
ttttgttggt	tgtttttagc	tcattttatc	ttcccagcgc	ccctgtgcag	tggttatcat	120
ttcccttggt	ttatagagga	gacaactgag	gctcaacaag	attaaataac	tagcccaaag	180
tctatcccag	gacttgaagc	agagtccctg	ttcttaacca	ctgccccagc	tgctcagtga	240
gta						243

<210> 13306

<211> 541

<212> DNA

<213> Homo sapiens

<400> 13306

ttttgtaaac	cctataatta	tgaagcgatt	gcttgagaaa	ataacatata	aacatagaat	60
agaatagact	gaccaagatg	gttcacagtt	tcttttttta	actaggttat	ttataatgta	120
ttttctgaacc	acttggcaga	caaattcaca	acacttaatg	ttcatatttt	gagtaaagga	180
agctaaaacc	atgtttgctt	tctggtacta	catgcattag	cgaaagggtta	agtaagtttt	240
gtttctccact	gaagtaatac	ttaacatctc	agaaaaaatt	ttgcatgttc	tgtagttttg	300
tattaaatca	gtcatttcat	atgcactata	tcaagtacaa	acaggtagtt	tacctgttta	360
tagtagtgta	ctaacaaagt	ctcccttgca	gcttcagact	gttatctata	ggcttatcgt	420
tcaaatacag	cacttgaata	tcccaagtag	ttcttctacg	catagctcac	ctttctaaac	480
ccagttaagc	atggaagaga	ggtagtaggt	aggtgcagtg	tgtggaagct	gcaaacaagc	540
a						541

<210> 13307

<211> 180

<212> DNA

<213> Homo sapiens

<400> 13307

agggagtgtg	gcaactgagcc	ggctcaggca	gagacgcggc	accatggcta	gcaagaaagt	60
ctgcattgta	ggctccggga	actggggctc	agccatcgcc	aagatcgtgg	gtggcaatgc	120
agcccgactg	gcacagtttg	acccacgggt	gaccatgtgg	gtatttgagg	aagacattgg	180

<210> 13308

<211> 128

<212> DNA

<213> Homo sapiens

<400> 13308

agagagggga	agccgggtgt	cccaagggag	gagggttgct	tttgtttggtg	ggggcaagag	60
ggaaagtctg	gaaggttcgg	gtggttgaag	atgtctactc	cggatgagta	gtgggaaggg	120
ctgactca						128

<210> 13309

<211> 116

<212> DNA

<213> Homo sapiens

<400> 13309

ccaaataaag	tcttatatgg	aagtctatca	tgtaaaatag	atcaaagagc	agctgctctg	60
gttgaagcag	gtttgtgccg	ctgaagaata	tgctgtttcc	tccctttacc	ttacct	116

<210> 13310

<211> 262
 <212> DNA
 <213> Homo sapiens

<400> 13310
 tcttggtttcc agaattactt ttgaaagtct tgaagccatt cttaatcttt tatgtgtggc 60
 ctgactttcc taccctgtgg aagcttgtaa agtcattctt gttctcattg tttaaaattc 120
 actaagatat accttggtgt gaactcagga cttgtgttga acactctggg cccttttagt 180
 ctggcacctc atgttcttaa cttctgggaa gttattttat taataattta tttttgtttt 240
 ctctctctct ctcttctttt tt 262

<210> 13311
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 13311
 gacataatct tgaactaact gtgtggtggt ttggaagcat agagaagaga agctcccaag 60
 aaaaacacaa actaacctgc ctaagaagag agggaaaactg ttgatgtagt gggaacgctc 120
 cctcctcgag cattaaccgg gttgacccca cccctctgtc ctgctgtctc tcagtccaat 180
 caagatcgga aagcaggatc aagagaaaga tgatcagacc ggaacaggta aacgttccat 240
 atagaga 247

<210> 13312
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 13312
 ttgtggcgcg gcttttagaga gtgtctgtgc aggtgcctc tgatccctca gtcagtgtgc 60
 agagctgagc tgatgaggaa agtcttggtg tgtaaccaac caggtctcac cttcagccac 120
 actcctaggg acagagtgcg tccatggagg g 151

<210> 13313
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 13313
 tttgacagtg ccagttttaga atggctataa tgctgctctg ccttctacag cttgctgcac 60
 cactctgtag ttactctatt accatacgtt tctatctttt ttggttaaac actccctgat 120
 gacgatgatg gatatatata catacatcca tattatacat aatgatatat gtgtaaggat 180
 ttaccttcgt ctttattttg tgggctgggc aaaatttagt gtaacaataa cttcatgata 240
 ctttggtata agagtaagtt ctttattttt ataatgaacc caaatctaaa gtcttttata 300
 gtgcatttta aaagggga 318

<210> 13314
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 13314
 agacggaagc cgaacgagtt cctcggcggc tgcaggatgg gggactccaa agtgaaagtg 60
 gcggtgcgga tacgacccat gaaccggcga gagactgact tgcataccaa atgtgtggtg 120

gatgtggatg caaacaaggt tattcttaat yytgtaaata cgaatctttc caaaggagat 180
gcccgggtgag ttaagaaaca gtgctgtgct caatggatgt ttaagtaact g 231

<210> 13315
<211> 185
<212> DNA
<213> Homo sapiens

<400> 13315
cttatgatga ctttgttctc cctcccactg ggggaatcct ccctatgcct taaaactgcc 60
gagccccact ccatgtaata ggattcctgg gcttcctcaa tgggggttca tgttcttgga 120
ctgcggggcc tcagtcctta actggaaagt gaccgtccac tgcccatgg agcccatctg 180
gacac 185

<210> 13316
<211> 352
<212> DNA
<213> Homo sapiens

<400> 13316
attggcgctg gccgcgctgt attgtcataa atagagccgg ttttgtggtg ttttcactac 60
tcggttgat gcctcagcca tagtaagtgg gaaagtgagc gagcaagcga gctactagcg 120
accggaggaa agtgaacagg gggagaaggg aacagcaaga acaggactcc agagcgataa 180
acactcgctg gagagggaga cgcaggaagc gatgaaagag atgtctgcaa acaccgtgct 240
ggacagccag cgtcaacaaa agcattatgg aattacctcc ccaattagtt tggcatckcc 300
taaagaaatt gatcatattt acacacagar attaattgac gccatgaaac ca 352

<210> 13317
<211> 120
<212> DNA
<213> Homo sapiens

<400> 13317
aaagtgagtg gggccccgaa atctgagggg gatcgtagtc actagttgtg gcccccatgc 60
aggagcggag agcgggttct ggtttctgaa acctcgaggg atggagagta tctgggccgg 120

<210> 13318
<211> 172
<212> DNA
<213> Homo sapiens

<400> 13318
cctgcctct tctaatgtat ttttcatacc acttcctaaag tgataatata ttctctttt 60
gaaatttttag atttggttac taaagcaata caggtgtatg gttaccaaaa attcaaacag 120
tgtaaaagag ratacmrgcc tgggcaatgt agagagaccc tgtctccata aa 172

<210> 13319
<211> 245
<212> DNA
<213> Homo sapiens

<400> 13319
taattggagg ctattactgg catcctttat cagatgttca catatgggat cctttgacaa 60
atgtttggat tcaggaggca gaaataccag attataccag ggagagctat ggtgttacat 120

gtttaggacc caacatttat gtaactgggg gctacaggac ggataacata gaagctcttg 180
acacagtgtg gatctataac agtgaaagt atgaatggac agaaggtttg ccaatgctca 240
atgcc 245

<210> 13320
<211> 148
<212> DNA
<213> Homo sapiens

<400> 13320
aagtcaggca cccacaccta gacctcgat gcttgatcct gtgagattga tgtttgtggc 60
tggaggtgga tttcatgccc tgtggtgttt acagtgtata taatggttgt gttttcatgg 120
ggctatgaaa gtgcacgtta aacctgag 148

<210> 13321
<211> 292
<212> DNA
<213> Homo sapiens

<400> 13321
ccggttgact ttgcggacca tggagggcgg cttcggctcc gatttcgggg gctccggcag 60
cggaagctg gacccagggc tcataatgga gcaggtgaaa gtgcagatcg ccgtggccaa 120
cggnnagga gstgctgcag gaggatgacg gacaagtgtt tccggaagtg tatagggaaa 180
cctgggggct ccctggacaa ctccgagcag aagtgcacg ccatgtgcat ggaccgctac 240
atggacgcct ggaacaccgt gtctcgcgcc tacaactcgc ggctgcagcg gg 292

<210> 13322
<211> 456
<212> DNA
<213> Homo sapiens

<400> 13322
ctctctggtt tgtgcgccc tgcaggtcg caggcctctt tgtcagctgg agttgcgcgg 60
gctgacgcgc cactatgtag cgggtttcgg gcggggccacg cgtgcgggac aggaacccaa 120
ccccagccga ccttgagctc caggagtctg tctcttacgt ctgcggaagt gcagctgcct 180
cagttcttag cgcaggttga caactacagg cacaagccat tgaagctgga atgtcctgtt 240
gctggtatct caattgactt aagccaacta tcccttcagt tacaatagga aagtgcctct 300
aataaggcca aatatgcgta ctaacttgta gcaaccacgt gtccgtgcag tgccacagga 360
gctagagcag tgacaatgct ggtggcaaca gggcagtgta gcaggtgctt catgttcacc 420
ttttcaacct tttcatttaa ttgtcacaac tcggag 456

<210> 13323
<211> 538
<212> DNA
<213> Homo sapiens

<400> 13323
actcgtgcgc ctaccagaca gtggcggagg acggcgctcg ctagtctccc aggtcgcggg 60
acacggcgag aacgggcggg gcggtctcgg ctgcgtccgg gcgatccagt gcttagttcc 120
gtcatatccc tctccacgac ctccggtcgg catgttcacc agggcccagg tgagacggat 180
tctgcagcgg gtgcccggga agcagcgatt tggcatctac cggttcctgc ccttcttttt 240
tgtcctggga ggaacgatgg agtggatcat gattaaagtg cgcgtggatg ggggtgttatc 300
aggatggagg ggggatttta tggagaaatg gggatagct tcatgaccac aaataaataa 360
aggaaaacta agctgcattg tgggttttga aaagggttatt atacttctta acaattcttt 420

ttttcagggg cttttctagc tgtatgactg ttacttgacc tttctttgaa aagcattccc 480
 aaaatgctct attttagata gattaacatt aaccaacata atttttttta gatcgagt 538

<210> 13324
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 13324
 actcgtgctg ctaccagaca gtggcgaggg acggcgctcg ctagtctccc aggtcgcggt 60
 acacggcgag aacgggcggg gcggtctcgg ctgcgtccgg gcgatccagt gcttagttcc 120
 gtcataatccc tctccacgac ctcggtcgag catgttcacc agggcccagg tgagacggat 180
 tctgcagcgg gtgcccggga agcagcgatt tggcatctac cggttcctgc ctttcttttt 240
 tgtcctggga ggaacgatgg agtggatcat gattaaagtg cgcgtgggccc aggagacctt 300
 ctgtaagtga gggggtagca gtctctgttt ctttcagga aggcacgagg cggtagggat 360
 ccgtttttct ggggagtatt ctgagattgc agaccgcgca ttccactcag agcgtggggc 420
 gagtgcagtt ccattcgctt ggcagtcagg gcggcctggc tctctgtag gccgggcaca 480
 ttggcgt 487

<210> 13325
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 13325
 tttganaacc attgttctga ggaagggggg ccaatctggc tcctctgcac taaagctgca 60
 actcatggaa aagaggggcaa cgggtggggta gacaagccat gctgtctcca gaccactag 120
 ggtggaagga aggttctctgt gggcctgtgg acttaggcta atatttgctg tcagcagggc 180
 acttaagaat ccaggggggtt ttatgtaatg ttgccaccac atgggttcttt taaaaacwca 240
 taaggaaatg tgaggggtgta gcgcagatga ggagagagat gacacagagg gagcagcctt 300
 ctcttttagca agatgtaagg gaaatataat tcacttacat aaaaaagaaa caacacacac 360
 gcaaaccctt caccagaagc ttcacactac atcctcctcc tcctctgct cccacacctt 420
 a 421

<210> 13326
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 13326
 gccgcgctcg cagcagtcct tccttagtaa cctgggcatg agctgtggat gtttccaagg 60
 attgtcttca gtcattggct tgggattaaa gtgcttcgcg atgggtccacc ctacctttcg 120
 caattatctt gcagcctcta tcagaccgct ttcagaagtt aactgaaga cagtgcata 180
 aagacaacat gg 192

<210> 13327
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 13327
 acccgggagg cggggccagc gaggcaagat ggagttagt caggtcctga aacgcgggct 60
 gcagcagatc accggccacg gcggtctccg aggctatcta cgggtttttt tcaggacaaa 120
 tgatgcgaag gttggtacat tagtggggga agacaaatat ggaaacaaat actatgaaga 180

caacaagcaa	ttttttggca	tcgttggctt	cacagtatga	ctgatgatcc	tccaacaaca	240
aaaccactta	ctgctcgtaa	attcatttgg	acgaaccata	aattcaacgt	gactggcacc	300
ccagaacaat	atgtacctta	ttctaccact	agaaagaaga	ttcaggagtg	gatccacctt	360
caacacc						367

<210> 13328
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 13328						
aaacacatcc	aagcttaaga	cggtgaggtc	agcttcacat	tctcaggaac	tctccttctt	60
tggccaggat	tgctacagtt	gtgattggag	gagttgtggc	cctgtgcccc	tggtgctcag	120
tgccatgggc	ttcactgcgg	cgggaaatcg	ctcgtcctcc	atagcagcca	agatgatgtc	180
cgcggcggcc	attgccaatg	gggggtggagt	tgccctgggc	agccttgtgg	ctactctgca	240
gtcactggga	gcaactggac	tctccggatt	gaccaagttc	atcctgggct	ccattggggtc	300
tgcyattgcg	gctgtcattg	cgagggttcta	ctagctccct	gcccctcgcc	ctgcagagaa	360
gagaaccatg	ccaggggaga	aggcaccag	ccatcctgac	ccagcgaggr	gcaactatcc	420
caa						423

<210> 13329
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 13329						
aaacacatcc	aagcttaaga	cggtgaggtc	agcttcacat	tctcaggaac	ctctccttct	60
ttgggccacg	gaattaaccc	gagcaggcat	ggaggcctct	gctctcacct	catctgcagt	120
cactggggagc	aactggactc	tccggattga	ccaagtccat	cctgggctcc	attgggtctg	180
ccatngcggc	tgctcattgcg	aggtttctact	agctccctgc	ncctcgccct	gcagagaaga	240
gaaccatgcc	aggggagaag	gcaccacagc	atcctgacct	agcgaggrgc	aactatccca	300
a						301

<210> 13330
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 13330						
agagacaaag	ttcggagccc	cgcggccgccc	gcgcgcgcgt	gagttgtctg	gccccgccga	60
cccacggccc	acgaccaccc	gaccacgaa	tcggcccgcc	cgtcgcgtgc	accatgtctg	120
gctcctccag	cgtcgcgcgt	atgaagaaag	tggttcaaca	gctccggctg	gaggccggac	180
tcaaccgcgt	aaaagtttcc	caggcagctg	cagacttgaa	acagttctgt	ctgcagaatg	240
ctcaacatga	ccctctgctg	actggagtat	cttcaagtac	aaatcccttc	agacccaga	300
aagtctgttc	ctttttgtag	taaaatgaat	ctttcaaagg	tttcccaaac	cactccttat	360
gatccagtga	atattcaaga	gagctaca				388

<210> 13331
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 13331						
caatcagaaa	tgtcaatgag	actaaagtgg	ttttgtaa	ctcagctata	tttagcaaca	60

ctccatgtag ctaatatattt ttggtagcat ctggtagacc ttagaatgtt acatagccag 120
taggttcttt atcsaaattt aagtatctta agaatagtag 160

<210> 13332
<211> 365
<212> DNA
<213> Homo sapiens

<400> 13332
aggtaggtgg tctcttaaga atggttaaga ggcttgggag tcagactgct tgggtttgca 60
tcccagcttt gccgttttct ggctatcaaa cttgtcagct attatttggt gactacgtac 120
tatttgattt atgaccacag gcagctgagc ctcagtgttg gtgcctagtg tacaagattg 180
ttaaagaata aagttatttt gcaaagtgtt acccattttt agcactgaca tagcactgac 240
agtagctgct gatctcatta ttggctaata taagacaata ttcaaaggct agagatatct 300
agccagaatc tgatggaggc tggatttcag attttgttac agaattagac agaggaacac 360
agagg 365

<210> 13333
<211> 477
<212> DNA
<213> Homo sapiens

<400> 13333
catttttyag acccccactc ctctgtctgt gtcctatgact gtccttttga accaggaaaa 60
gtcacagagt ttaaagagaa gcaaattaaa catcctgaat cggaacaaa gggttttatc 120
taataaagtg tctcttccat tcacgttgct accttaccac cactttccct tctgatttgc 180
gtgaggacgt ggcacccctac gttactgtac agtggcataa gcacatcgtg tgagcccatg 240
tatgtctggg tagagcaagt agccctcccc tgtctcatcg ataccagcag aacctcctca 300
gtctcagtag ctttgtttct atgaaggaaa agtttggtta ctaacagtag cattgtgatg 360
gccagtatat ccagtcctat gataaagaaa atgcatctgc atctcctacc cctcttcctt 420
ctaagcaaaa ggaaataaac atcctgtgcc aaaggatttg gtcatttaga atgtcgg 477

<210> 13334
<211> 293
<212> DNA
<213> Homo sapiens

<400> 13334
catttgagct ctgggtttta accacttggg gaggagcagg ttgccgggag ccagtctcag 60
agggtccactg ggccccctgc catcctctgc acccccttct gctttcacag acgggacaac 120
ttgcagagct gcaacccacg gacagagctg gagccagggc cagctggatg cccatgttcc 180
agaggcgamg gaggcgagac acccacttcc ccatctgcat tttctgctgc ggctgctgct 240
atcgatcaaa gtgtgggatg tgctgcaaga cgtagaacct acctgcctg ccc 293

<210> 13335
<211> 175
<212> DNA
<213> Homo sapiens

<400> 13335
atctgagttc aaaaaaatta ctttgaatac cttaatatct gctgcatttt tttccgtata 60
tataacatgt cttctttcag aatgggaata tatgtgtgcc tcccaacatt tactgttaaa 120
gtgtgttatc tttatatgtc aaactgggtg aacactgtaa tgagaataaa ctgca 175

<210> 13336
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 13336
 cagggacttk gtgggectcc cgttgaccct atgtagctgc tataaagtta agtgtccctc 60
 aggcagggag agggctcaca gagtctcctc tgtacgtggc catggccaga caccacagtc 120
 ccttcacca 129

<210> 13337
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 13337
 agggaagggc tctttgctag tatctccata tctagacgat ggtttttagat gatgaaccac 60
 aggtctacaa gagcgTTTT agtaaagtgc ctgtgttcat tgtggacaaa gttattattt 120
 tgcaacatct aagctttacg aatgggggtga caacttatga taaaaactag agctagttaa 180
 ttagcctatt tgtaaatacc tttgttataa ttgataggat acatcyttgg acatggaatt 240
 gttaagccac ctctgagcag tgtatgtcag gacttgttca ttaggttggc agcagagggg 300
 cagaaggaat tatacaggta gagatgtatg cagatgtgtc catatatgtc catatttaca 360
 ttttgatagc cattgatgta tgcattctctt ggctgtacta taag 404

<210> 13338
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 13338
 aatatgaact tgtacattca cttttggaaa gttcagctga tttggggatt agcaagcagg 60
 agtggagttt ttaacaatta attaaggcat gttttattaa ctgagaacta gataatcaga 120
 tagccatgtc agtaaaatat atcagtatgt aaatctcact tatagt 166

<210> 13339
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 13339
 acgaatatta catattatct ttcttaaggt tgtgagaacc tagaagaact gcctttgatt 60
 aatgctagaa aacagctctt atgagacata aagttcattt aataatccca caaatgctta 120
 cgagcaacta ttctatacca ggcagttttc tagctttttg gaaatagag 169

<210> 13340
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 13340
 tttctccagt cgcgtctttc tcaactcactg gggagcccgg cggtggcggc acctttcgag 60
 gtagacccgc tgagctgcta gcccgcgggc cagcgagtga gaggtcggac agactgtgga 120
 gccgacagac tgaaggacag cggcaccgcc agacggccag aaagttccgc catgagctgg 180
 ggcacggagc tgtgggatca gttecgacagc ttgacaagca tacacaatgg ggaattgact 240

tcttgga

249

<210> 13341

<211> 253

<212> DNA

<213> Homo sapiens

<400> 13341

catgttgc	gttcttttaa	attagtgatt	ttgtgtctta	agtctttaac	ttccaatact	60
tcatcatgta	tgtaaccttc	catgtttgct	tctgataaaa	tggaaatgta	ggttcactgc	120
cacttcatga	gatatctctg	ctcacgcttc	caagttgttc	tcaatgacat	tagccaaagt	180
tgggtttg	attcatcccc	taggcattgg	aaatcttgtg	ttgttcctg	ctgtcctccg	240
tattacgtga	ccg					253

<210> 13342

<211> 225

<212> DNA

<213> Homo sapiens

<400> 13342

aagcgggagg	gagatccgcc	gcggagttac	gggaaagttg	gtccgagttc	ccagagtttc	60
cctctgtggt	gccctaggt	cggccggccg	gtgcccggc	tcctttctc	ctttcggcct	120
tcgccgtcca	ccaggtccct	ctctctgtcc	ccggccgcc	tggagcagcc	gccggcgct	180
aagagtaa	taaaaaagct	gagtgaagac	agtttgacta	agcag		225

<210> 13343

<211> 177

<212> DNA

<213> Homo sapiens

<400> 13343

attcatttat	ctgcaggaat	gattgctgct	atcagtctcg	cgctcaccgc	ccggctgagg	60
agggtgaa	gttctccag	gaagataaac	cgcaaaagac	aatattgtgc	atgatttgcg	120
ccttttnt	nggcttttc	tttctttct	caccccccca	cccactttt	ttttttt	177

<210> 13344

<211> 220

<212> DNA

<213> Homo sapiens

<400> 13344

taataaataa	tgtattaaag	tttctgtacc	caggtctcat	tttagatgag	gtttcacaaa	60
gtcttagctt	tgtttgctat	atattttttt	aagctggacc	aaggaataat	tgctgataaa	120
aggatatttt	ggtagcctca	ggaaggaaat	ctgatctgta	taatttactg	ttaaattttt	180
atctgttgta	tagatttact	tatttttcct	aatttcctta			220

<210> 13345

<211> 174

<212> DNA

<213> Homo sapiens

<400> 13345

taaagtttgg	aagatgggtc	aatctgactc	tacatcaata	gactgctctg	tggataaat	60
agaaatatct	ctacttgctt	tctgggggtga	gtgaggggtt	ctttcttttg	ctcatttttg	120

cccaggctgg agtgcaaggc accgtctcgg ctcaccacaa cctctgcctc ccag

174

<210> 13346

<211> 365

<212> DNA

<213> Homo sapiens

<400> 13346

aaaaaagttt	gtgtctggag	ccgtagcggc	aagtgggctt	gcggctaagg	gattttcctg	60
ggatgagagc	gggtcttctg	ccttcatttt	ggatgcacat	cccgttttag	ccccggcasc	120
ytttggtccg	gctcgkgtcc	ctggggattc	tcggatctcc	gaggacaccg	gacgggagcg	180
cttggccatc	ctctctccgg	cagaggagca	gacgtttgct	ttccaagtgc	aaaactacag	240
acacgcgcgc	gcacacacgc	aagcacacgc	ggagagagag	gaaccttgcc	gtcccgaggc	300
agctctgcgc	gtccctcctc	gcgcttagca	tcctcggccc	agcgcggccc	gcaccgcat	360
ggagg						365

<210> 13347

<211> 393

<212> DNA

<213> Homo sapiens

<400> 13347

aatctgtcag	ataggaatct	aaatatttat	agtgagattg	tgaaagcaac	cttaaagttt	60
tgaagaagac	tgatgagact	aggtgctttg	cttcctttca	tcaggtatct	ttctgtggca	120
tttgagaaca	gaaaccaaga	aacatggtaa	ttactaaaty	atgaggcttt	gctttttgtt	180
tgcttttaag	tagaaaaaca	tgttggcaac	attgagtttt	ggagttgatt	gagataatat	240
gacttaacta	gttttgtcat	tccatttggt	aaagatanng	tcaccaagaa	tgttttgagt	300
tttttgaaag	acccaatttt	aagscctgct	tatttttaaa	ttakgtccat	tcagtgatgt	360
tggatgtata	tcaattattt	agtaaataat	ctc			393

<210> 13348

<211> 429

<212> DNA

<213> Homo sapiens

<400> 13348

ctataagtag	atttacagga	acatatatag	gagtatatga	tgtgcaggga	gagaagggaa	60
gaattaactt	tgagagctac	ttattttaatc	tggttaaagg	caaagactgg	tttctccttt	120
tagaataagt	cattgatagc	ttcctcaagg	agttaaaaat	tcagtgcac	ctatagttaa	180
ataaagggat	ctggaagtgt	agaataaaat	ttatttttga	taataaatga	tgattgaagc	240
cctgaaagtt	attcaaatgt	ttttgaaatg	attggataaa	aagcacattg	aatgatctga	300
aaaatataag	aragtacagg	ttaagtattt	aaaaaggggg	gagagccccg	aggwcgtcag	360
gggagttcag	tgtaaggcga	cggccagctc	tcgaggctctg	tgatgtagaa	gtttwagcac	420
aggagatgc						429

<210> 13349

<211> 328

<212> DNA

<213> Homo sapiens

<400> 13349

tttgtgtgat	aaaagtattg	tatataatag	atcagcgatt	tttgtaaggc	aaacagaatt	60
tgtaagttgg	cagatcttcc	taagttgcaa	aatgtaatga	tgagcttggt	ggagaagaat	120
gagtcgttct	tggaatacct	atgtgcagcc	actaccatc	tcaatgtcac	cttgtttgca	180

ttcttgata	gcttgyatat	gtagtagttt	gatgaataat	ttaaagaaaa	acacctaaaa	240
tttgaaaaat	gattgtagga	tcaaaaaagg	cagatgaaat	tacttaatac	tcagtgtttt	300
ggagagtatt	ccttttagtt	tgttgggt				328

<210> 13350
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 13350						
aagggaagga	aagcgggaa	aggaggaagg	aaacgaacga	gggggagggga	ggtccctggt	60
ttggaggagc	taggagcgtt	gccggccccct	gaagtggagc	gagagggagg	tgcttcgccg	120
tttctcctgc	caggggaggt	cccggcttcc	cgtggaggct	ccggaccaag	ccccttcagc	180
ttctccctcc	ggatcgatgt	gctgctgtta	acccgtgagg	aggcggcggc	ggcggcagcg	240
gcagcggnaa	gatggtgttg	ctgagagtgt	taattctgct	cctctcctgg	gcggcgggga	300
tgggaggtca	gtatgggaat	ccttttaata	aatatatcag	acattatgaa	ggattatctt	360
acaatgtgga	ttcattacac	caaaaacacc	agcgtgccaa	aagagcagtc	tcacatgaa	419

<210> 13351
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 13351						
gcccctgaga	ggatactgat	aagggtatac	cttagtaact	ttcgctcctg	aagttactaa	60
ggaaataaat	ggggatgcc	ctgtgcctta	atttttgtac	actcattaca	tggcactaag	120
ggatttaaac	atctgcggcc	tttagttaaa	aacagctacm	aacctctgta	aagttagtgc	180
catgtaatga	gtgtacaa					198

<210> 13352
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 13352						
tgtcttaggc	attgttttag	acatacgtaa	gaggagctca	gtgattaccg	aacaaataaa	60
tgtgtatcac	ctgaagcctt	tagaggtggc	atctctccac	ttcccacccc	ttggacttct	120
ttctaaaatt	tttcacattt	tagttttttt	taaactgcc	cttgcacctc	caggc	175

<210> 13353
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 13353						
atgcaggaac	tgtgtgattt	gggggaaatt	acatcatagc	tttcgtactt	tcattggttt	60
cattttcaca	tttcttaagt	gggggaaata	acatacatta	tgccctctcat	accaggttga	120
taagg						125

<210> 13354
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 13354
aacaaactgc gataatctac aacagacagc gggctctgga aggtttgacc tgcttttagag 60
agagatttcc gataagagga acggagtttt tggcactttt cggtttggtg attcccctaa 120
ataaccttac aaaagtttcg ttgaacaaaa aacctggctg gagctccaag atcttttttt 180
tttttttt 188

<210> 13355
<211> 176
<212> DNA
<213> Homo sapiens

<400> 13355
tgcatttatc ttatgcttta aaaagtagag acgcttagct agtgtccatg cacacttctc 60
atttccaagg tcagagctct atgatgtctg caaataacga atacaaggct attgtcagtc 120
cttataaata agaaaatatt atttgcctc aattctgtag ttttactct caaatg 176

<210> 13356
<211> 307
<212> DNA
<213> Homo sapiens

<400> 13356
agtgggacat ccaggctatt ttttcattca gtgattcagg gaactgggct gggaggagtg 60
cagagtatat ggatattttg cccccagaag attggacgat gactgcctgc attggtgagc 120
aatcttactg tctattgact taaattctaa tcttctggaa gcgctctcac agacagaaat 180
aacgttttac caactatcta ggatgccct tggaagaact ggaaatttaa aatctgtggt 240
cacaaaggag agtaaagaga aaagacatgc taccctctaa aattacataa tttgttaaaa 300
gaagaca 307

<210> 13357
<211> 331
<212> DNA
<213> Homo sapiens

<400> 13357
taaataactt catcccagac aggggtgagg gaaggtgttg tggctgtttt gtttaaattg 60
gagctgtaag agggatcatg tcatatttta tgcctttcct agaaagggga cgggacacct 120
ggtttgcat cctgtattga cactgctgc cgtcactcgt cacattgagt tcacatctcc 180
tgagagtttg tataaattca ggtcagcgt gtcctatgc agccatccag tgtcatagaa 240
aagcaattca ctgataactg atctctccat tcagaagtgt gcagttttta tgtatagcaa 300
taagaaattg ttatttatct attacaagcc t 331

<210> 13358
<211> 334
<212> DNA
<213> Homo sapiens

<400> 13358
taattgtgtc atgtagttag gataaaacta ttaaaatttg ggcataccac aaataagcaa 60
tgtgttaata acttctcaga ttccgttggg tttgcaaatt ttgtggactt taaccctagt 120
ggtacatgca tagcttcagc aggttctgat caaactgtga aagtctggga tgtaagagtg 180
aacaaattac tacagcatta ccaagttcac agcgggtggag ttaattgcat atcattccat 240
cnntcgggta actatctcat cacagcttct tcagatggta ccttaangat tctggacctc 300
ttaagaagga aggtcatct atacacttca agga 334

<210> 13359
<211> 348
<212> DNA
<213> Homo sapiens

<400> 13359
cacagtatct agatagtatt acaaaacgat atctcaataa ataagcttcg caggaaacaa 60
aagcgctact tgggtggcata aggtgtggtt agtcccccca ccagcattgg ctttttwaaa 120
aaagtggata aaacataant tcagttgaaa acatccaggt tgcagtgaac tatgctatat 180
tcactttgtc ttctgggtcaa gtacttagtt tctgctttac acaggacacc aacacgaata 240
aagttttaag ttattatttt attttgagac ggggtctcgc tctgtcgccc agactggatt 300
gcagtgggtg aatcactggt cactgcagcc ttgacctccc tccccggc 348

<210> 13360
<211> 218
<212> DNA
<213> Homo sapiens

<400> 13360
tcagtttgat gtacctgctg gacactcaga tggggatatt ctattgtcat ttgaatgatt 60
gatctgggtg tcagaggaga tgaacaggct gcaaataagg atttgagagc cattggagga 120
tggatgataa tggagcacat ggaagcagat gtggcccttc agagagaagg tgcagagtca 180
gagtgaaggg ttgcaaaaga actgtaaggg actatggg 218

<210> 13361
<211> 161
<212> DNA
<213> Homo sapiens

<400> 13361
tatgacttat tagtatgtaa tattacttct gacactgaca tttgtgaaca aggaataatc 60
agtttgcttt cttgttcatt attatgtttt aacaagaaat aagtgttaca gtgttagagt 120
ctctactaga actgaatttg aacaacaacc agtgaatgca g 161

<210> 13362
<211> 362
<212> DNA
<213> Homo sapiens

<400> 13362
tttccgtttg gatccttatg ccaacgtggt aggaaggccc cctctggtgc acaaagcagg 60
gtcatcagaa gcctcttgat tcaaaagatg ataataccga aaaacactgc ccagtgcag 120
tgaatccttg gcatatgaag aaagctttca aagtcatgaa cgaattaaga aggtgagatg 180
agtgcagacc gagcaaagag agttagaata aaagaggtag atggctggac cctgaggatg 240
ctaattgatt acgtttacac tgcagaaatt caggttacag aagaaaatgt rcaggtaaga 300
gtaaacactt cacaccatct agctttttat gcatacagtt ttttttaata aaaaaagcac 360
ac 362

<210> 13363
<211> 141
<212> DNA
<213> Homo sapiens

<400> 13363

tttacattta	tttatggtga	catatcttacg	cttgtgatca	aataatgatg	ttaaattctt	60
aaatcatatt	tgctatgcag	ctgaagatga	tatttttgatt	tgtattttgg	gggtacctgt	120
gttgagttga	taaacatttc	c				141

<210> 13364

<211> 417

<212> DNA

<213> Homo sapiens

<400> 13364

ttgggctggt	aaatcctag	aaatctcgaa	tcatagtgat	taaaatagtt	ggggtaaagt	60
tgtagcttat	atgcaatact	acttggagga	awtckttcta	ctaatttgta	tttaatgtgg	120
aaattgtata	gtttcattga	tttaatcata	aataatggaa	atggctctcca	agaagtttta	180
tttttcattt	ttttgcttat	acactctgat	tcctataata	cagtgcctata	agctatgcac	240
agraaataaa	atgtttgraa	tccaagaata	atggttctta	ctgctaagag	ggagtaatag	300
ttattactaa	tgattttgat	tgggttgcat	ttttgttgca	atgtttattc	cacttgcagt	360
tagaatatga	atatgtttta	tcactagtgt	ggctaaataa	ccaaacattt	gtgtaaa	417

<210> 13365

<211> 400

<212> DNA

<213> Homo sapiens

<400> 13365

tacacaataa	atgttagcta	tttttactaa	tatatgaatt	ccccagcca	agtagcaaat	60
aatgtaatta	acaatttgct	ttaaggtata	tagaaaatgt	gctataagaa	catctcttgg	120
ccgggctg	tggtcacgc	ctgtaatccc	agcactttgg	gaggctgagg	caggcagatc	180
acgaggtcag	gagatcaaga	ccatcctggc	taacatgggtg	aaaccccgctc	tctactaaaa	240
atacaaaaaa	ttaaccagac	gtagtggcag	gtgtctgtag	tcccagctac	ttgggaggct	300
aaggtaggag	aatggcgtga	acctgggagg	cggasttgta	gtgagtcaag	atcgtgccac	360
tgcactctg	cctgggagac	agagcgagac	tctgtctcca			400

<210> 13366

<211> 197

<212> DNA

<213> Homo sapiens

<400> 13366

atagaaagt	ctcaataaac	ctttgttgaa	tgattaaatg	aataaataaa	tgaatgaata	60
gaatgtcact	gtcattgaaa	ccaaaaagg	ttgagaggag	ggaacgaagg	atgaaataat	120
gtagaattat	ttcatgactg	catggscctc	tctggtgtat	naktaaaata	attaattagc	180
tttgtctgat	aagttgg					197

<210> 13367

<211> 159

<212> DNA

<213> Homo sapiens

<400> 13367

ctgtttactc	tttgttggtta	ctttaaataa	tgtcctatct	ctccccatct	tccagtaggg	60
ctaattataa	tatatggtca	ttgttggtta	tgggaaaata	taaagaagaa	ttaaataacc	120
ataatataat	tgcctaattg	aggcaatcct	ttttttttt			159

<210> 13368
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 13368
 ccagaaaatt ttatgtaatt tattttttta aagaacctgt tgtacatctt tctcaaatac 60
 aaacttgggc tttagctgcc cctccacta aaccgatgac ttactttttt gactagaatg 120
 agaaaaatgg caagaatctt agtaagggtg tagccagctt ggtaactgca tagtaatcga 180
 gaggctgtaa gatgggaatt catcgtaggc agcgaggtag agtgggtccc ctgaaatggg 240
 attcgcttgg cactgcctct taaagatagn ggtgttggga tcttgattgt ggccgcccc 300
 cccagcttta cctgcccact ttgtccttct tggcaagcct gttcacatg 349

<210> 13369
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 13369
 cactacagaa agaatgagaa aattgtgtgt taaagaaaag gggacataat ttaaaaatag 60
 aaatatccag gtaataaac ttatgaatgg cagattcatt gagtgggaat aagggaaata 120
 caaggtgggt gaggggtatg ttttctgcct tgaggttgaa ataatcgta tcttccccta 180
 gttaccatac tgagtatatt tacattgtcc accctttttt tttgagacgg a 231

<210> 13370
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 13370
 taaatctctg ctgtcagggg tcagcagggc tgatgaaata cactccttta tccgg 55

<210> 13371
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 13371
 tcaagttaat tcctaaatac agaagtcctt tttaacaaaa taaagatgtg gttctcttta 60
 cctatattt ttcaaaaatc tctttatctc ttccttttat attctatgaa aaaatgtgtt 120
 taaaaaacca attttattcc ttcagatctt tgggaaatca cctaccataa gaatcttagg 180
 ggtcgatgtt gggattagtgt gtattccagc cctggatcag tccatcagta ccaccactgt 240
 aacactgctc accattgctg ctcattacca cacaaagcac tggacctctg ggagattaan 300
 arnaataaat caactgctat tctcaaaaac caacctgata atatgacttg ttaaaaatna 360
 garkgtttta ttaccocaaat ggctatTTTT ctgcttttta taaamnatga aracacaggt 420
 wctatcaaag cactgttcat t 441

<210> 13372
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 13372
 atagagatga naaaggtaac agagtctttg cccatggagc cttgcgrtag ggtataaata 60

cagggtgctct gttgttctgt tggattcata catcttcaag cacagctctg attaattagc 120
 tacgttttta ttgatggccc gtttaggcca tcctcaggca gattaactcc tcagctttaa 180
 tatttcattt gatagcatc 199

<210> 13373
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 13373
 taagtgtgag ccacagcatg tggccccaat aggttttatt aagcaactac tgtatcagca 60
 aataccaatg attctcaaac tttgtgacaa aaatcatctg gaggatattt taaaacagat 120
 cactgggtcc taccaccaga agctgctgat tcagtacatc tgggggtga 168

<210> 13374
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 13374
 ttatcgacat tatannagaa acagcaagca aatcatttgg ttttggcagt ttgtgaaaga 60
 gacagacaat gaagtaagaa tgcgactatt gcagttcgtc actggaacct gccgtttacc 120
 tctargagga tttgctgarc tcattgggaag taatgggcct caaaagtttt gcattgaaaa 180
 agttggcaaa gacacttggg taccaagaag ccatacatgt tttaatcgct tggatctacc 240
 accatataag agttatgaac aactaaagga aaaasttctt tttgcaatag aagagacaga 300
 gggatttgga caagaatgaa tgtggcttct tattttggag gagctcttgc atttaaatat 360
 cccagccaag aaaaattgca cagatagtgt atataagctg ttcattctgt acagtgaatt 420
 ttccgaacct ctcaaagtat gttttccggt cttccacaga aatatgcaaa acagttcatc 480
 cttttctact ttattttattg ttcccttgaa atgactgacc aggaaaaaga tcatccttaa 540
 attttgaagc aagtggag 557

<210> 13375
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 13375
 agcagcgggtg atgacagggg tgatgtgcct ggagaggcct ggggtgggga ggtaactcag 60
 ttctgttcct gtgacagaca tcctggacta ttatgaggct tccctctcag agagtcagaa 120
 ataccgctac caagatgaag acacgcccc 149

<210> 13376
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 13376
 tcatcttcag taatttttag aagcaagaag aaagccattg tgtcctctac aattaacaaa 60
 acttatctct gatatacaaa gggatataaa tatatacact taaatagaga aaaagagggt 120
 gattgaattg tgcttttgag tgaaccaggt ttttaaatat cgctgtgttt gtttcgccat 180
 ggcttcaggg atgctacatg gctcttgac cttttactcc tctgctttat gaagtttgag 240
 ttgtatttgt gcatcttaaa gtaggttgag gcttgaggct gggctttcgg gtttttttgt 300
 tttttgtttt gttttgtttt gttttgtttt cttgtactta aacctgcttg cttcctacca 360
 cagattcttt attttcccaa acactacaaa aaaactttta aaactttgcc atttcatctg 420

tttacactct ttgccactga ttagcagtat

450

<210> 13377

<211> 128

<212> DNA

<213> Homo sapiens

<400> 13377

ctctctgcc	aatacctaag	tccgaacaac	cataatttgt	ctttcagtta	ttctttcaag	60
taaaaatggc	gttctaggt	tggcacagt	gcttacgcat	gtaatcccag	cactttggga	120
ggcagaga						128

<210> 13378

<211> 172

<212> DNA

<213> Homo sapiens

<400> 13378

araaacccggg	tgccggcags	gccagtcgca	ggtgtgctgc	tgaggcgtga	gaatggcgtc	60
ccgcgccggg	cgtccggagc	atggcggacc	cccagagctg	ttttatgacg	agacagaagc	120
ccggaaatac	gttcgcaagt	gaggggagcc	tgaatactgc	ggggcgctccg	gg	172

<210> 13379

<211> 483

<212> DNA

<213> Homo sapiens

<400> 13379

tttttttcat	ttaggaagca	aaatgtggat	tcagcaaaca	aattctggaa	atactaaata	60
gtactgggta	tgtaaatggt	gttttcaa	ggtgtattaa	aaaaattcca	acctggccag	120
gcgtagtggc	tcacgtctat	aatcctagca	ctttgggagg	ctaagacagg	aatattgctt	180
gagcccaggt	gttcgagacc	agcctggaca	acatagttag	accccatcgc	cacaaaaaat	240
aaaaaaatta	gccaggcatg	gtcacatata	tctatgggcc	tagctacttg	agagactgag	300
gtgggaggat	cactggagtc	ttggaagggt	aggctgtrgt	gagccgtgat	tgcaccactg	360
cactcagcct	gggtgacaga	gcaagaccct	gtctcaaaaa	maagmaaaaa	atatttcaac	420
ttttcagttc	tgccactgat	acttttcagt	tgtaatgtct	atrtcataca	tatctgtatc	480
ttt						483

<210> 13380

<211> 460

<212> DNA

<213> Homo sapiens

<400> 13380

caagacctcc	actgcagggc	agagaaatat	aattttgcat	cactgcaaag	ggagaaataa	60
gatcactata	aatttccactg	tagaacattt	tctgtaagga	aaaattccct	aatggagtca	120
aagaacagag	gaggcataca	atgacttcag	gcaaagcaga	accttttgac	tcacacaaca	180
ttatattatt	ttgtcagctt	tatatatttt	gaaacatttt	tactatgagt	gaggcaagag	240
aaagaaaaag	gwagagacag	catttggtta	tattwcatca	tttctaaaat	ctaatttcct	300
ggagttagaa	tgacactaag	ggtactacga	gaacattcct	tcccatgtaa	actaatagt	360
taataaatac	tcatatagtt	actagtttta	gttgccaaac	ctagtttgta	aatggtaa	420
ttgagaccag	aactatatcc	ttatgctatc	agaccactga			460

<210> 13381

<211> 503
 <212> DNA
 <213> Homo sapiens

<400> 13381
 tttttgataa ctgtgaataa ctgcttaaaa atacacccaa atggaggctg aattttttct 60
 tcagcaaaag tagttttgat tagaactttg tttcagccac agagaatcat gtaaacgtaa 120
 taggatcatg tagcagaaac ttaaactctaa cccttttagcc ttctatttaa cacaaaaatt 180
 tgaaaaagtt aaaaaaaaaam aggagatgtg attatgctta cagctgcagg actctggcaa 240
 tagggttttt ggaagatgta atttttaaatt gtgtttgtat gaactgtttg tttacatttc 300
 ttttaataaaa aaaacactgt tttgtgtttg cttgtagaaa cttaatcagc attttgaacc 360
 aggttagctt tttattttgt actttaaatt ctggtagtga cacttcacag gctaagtata 420
 aaatgaagtt ttgtgtgcac aattcaagtg gactgtaaac tgttggtata ttcagtgatg 480
 cagttctgaa cttgtatatg gca 503

<210> 13382
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 13382
 cacatttgta tgcttttgag aatgggttcag tggagagtag aaatactgac gagggagaga 60
 attattggag tcatagcctt gggtaagtga gagggggtag tttctagtac atacttagag 120
 agtttggcca agagcatata gcatag 146

<210> 13383
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 13383
 aattcttgta ccttgtggga aatactgact cgtgtattag ataaattctg atggtagttt 60
 ataaattttg cttccaatct aagtgttttt tttggatccc aactactcga cctccagttt 120
 gcaatgtcac atttttctat acatcagtat ttgttttcag taatacattt tttattaaat 180
 aaattttgaa aaatcaagan aaagaagcaa aaaaatgaaa ttacttgta tcctactcca 240
 c 241

<210> 13384
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 13384
 taatgctatt gcaagccttt ttgcttggac tggagcacaa gctatgtatc aaggattctg 60
 gagtgaagca gatgttactc gaccttttgt ctcccaggct gtgatcacag atggaaaata 120
 cttttccttt ttctgctacc agctaaatac tttggcactg actac 165

<210> 13385
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 13385
 aagtctaact ttggagattc tctaccagtc atcttgggtg aacctgaggt agccacatga 60

aatggccaga tttgacatca tccctcttct gtgccagaag gaacaattag tccttccata 120
aatagatcaa tatttgctca tgctgtagac tatggaatcc aacctgtagt atcctttctg 180
catgttgga ccaagccc 198

<210> 13386
<211> 187
<212> DNA
<213> Homo sapiens

<400> 13386
gcattaggag cgaacagcgc tgcagaaata gatggcagct tcgtgtcagt gagtttgcag 60
cccccttct gatccacgag ctggagtgat tagagccctg gaagggaatt gttactcccg 120
tggaagaagtc ccttttctt ggcatgcgtc tgcactgtac acgctggatg cctctctcca 180
tccaccc 187

<210> 13387
<211> 247
<212> DNA
<213> Homo sapiens

<400> 13387
taatatcttc acctattgag ttacccaagc cagcaatcac agtgatttct acctccttgt 60
tcctcctcct ccacattgat taaatcaaca aattctgctg aaattgcctc ctcaattagt 120
cctctctggc ctgcattatc caatatggta gctactagcc agtgggtctg ttgagcactt 180
gaaatgtggc tgaccaaatt gagatgtgct gtgtgaaata gccctccata tttgtgggtt 240
ccccctg 247

<210> 13388
<211> 231
<212> DNA
<213> Homo sapiens

<400> 13388
caaatccagt aatcatattg ctttagaaat agcctgagtt tgtaggata caatgccaca 60
tatttttggg catcacgtcc aagcattatg tgagaacttt acaatgtgaa agataattct 120
gaataatgtg ttatgtaaca ttttaataaga cctaggtgtg tgtatgtgtg tgtacatgtt 180
tcagcaaatt acttgaaatc caagattatc tttaatgaaa acccaccata g 231

<210> 13389
<211> 624
<212> DNA
<213> Homo sapiens

<400> 13389
tggaagtttt gattgattta cttgccctcc caccttcttt ttaattcaat gaaatctgag 60
gttaatgcga gggtcgagga gaggttatag ataaaactac cagtggcagc tactcaagtc 120
ctatctccac tgtagcttc ctocaaactct aattattaac ctatattctt gccaaagctaa 180
ctattgacta taggtttgcc tttcctggag aattaattga gcaattgagg agtgtctcag 240
gatagcacag gccaaaggtag gggagtaaaa aggaggtcag gcaaaaggga ggagttttct 300
gtcctttccn aggtttcaca ctcaatttga tatccattac catgtctttt ctacttcctt 360
gtaaataggt atgatcttta tccccactgt acastctgtt ctatcctctg cctcccatca 420
ggccctgttt ctttgttcct ttgttaatat cttgaattta gtccctccat ccttaatccc 480
cccatccctc cccatcatgc aaccagtggg ttaatccatg taccaatagg ggctagtacc 540
acagaggcct cctgtggtgc cctcgtatca taccacctgt tcctgtggag agggaatgac 600

cggcactgaa ggtaccttac aact

624

<210> 13390

<211> 387

<212> DNA

<213> Homo sapiens

<400> 13390

agcgaagata	ccgtaataaa	tagtaaccta	acgggtccagt	catcgttctg	tggtcccttc	60
ttttatgatt	cacaaggaat	kcctcttcat	cgcctctcct	aattcagtcc	tcacaacagt	120
cctttttacaa	atgggacaac	aggtttagagg	aagtcaggca	gatttccagc	atcatagaga	180
gtaaaggacc	agggaaggat	caggattcaa	ggactgcacc	caggctctgc	ttccagcttg	240
ctgtgtgact	ttgggtaatt	ttgttccctt	agggaactga	gctttctcat	ttgtaaatgc	300
aaacaggctg	ttgggaggat	caaatgagat	ccaggggtga	aaacagctta	gtttactttc	360
aggaatttac	ccacgcggta	tataaag				387

<210> 13391

<211> 208

<212> DNA

<213> Homo sapiens

<400> 13391

tttagtagag	acagggtttc	accatgttgg	ccaggctggt	tttgaacccc	tgacctcagg	60
tgatccaccc	gcctcggcct	cccaaagtgc	tgggattaca	ggtgtgagcc	actgcacctg	120
gccccagcta	tgctttttcta	atgatcaaaa	acataccaat	ttgtcccaaa	atttcaaata	180
gtgcacatctg	ttctccctg	catcctac				208

<210> 13392

<211> 215

<212> DNA

<213> Homo sapiens

<400> 13392

ctctgtcggc	cccgcgctc	ccgcagtcctc	tgcgcgagcc	gagatcagcg	attgtcagtt	60
cggaaagctgg	cttttaaaaa	tgcgttttta	aatagtgtct	tgaagaagtg	taggagagat	120
ctacacaact	taagtggggc	gtccccatcc	catcttctg	cgcrcctcc	ttnncccca	180
actccatctc	tgcgacactt	ccccaccccc	actcc			215

<210> 13393

<211> 490

<212> DNA

<213> Homo sapiens

<400> 13393

agaaaggagg	aagttctgac	ttttcagggc	taccttattt	ctactaagga	cccagagcag	60
gcctgtccat	gccattcctt	cgcacagatg	aaactgagct	gggactggaa	aggacagccc	120
ttgacctggg	ttctgggtat	aattttgact	tttgagactg	gtagctaacc	atcttatgag	180
tgccaatgtg	tcathtagta	aaacttaaat	agaaacaagg	tccttcaaat	gttcctttgg	240
ccaaaagctg	aaggaggtta	ctgagraaat	agttaacaat	tactgtcagg	tgatcatcact	300
gttcaaaagg	taagcacatt	tagaattttg	ttcttgacag	ttaactgact	aatcttactt	360
ccacaaaata	tgtgaatttg	ctgcttctga	gaggcaatgt	gaaagagggg	gtattacttt	420
tatgtacaaa	gttattttatt	tatagaaatt	ttggtacagt	gtacattgaa	aaccatgtaa	480
aatattgaag						490

<210> 13394
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 13394
 tggaaacatt acagctatgt tttacttttg gacagaattt ttatttgtat agagtgccta 60
 ctaatgttaa atagttcaga gtatataaca tttacattaa ggactcatgg taggttttag 120
 ggtaaggagt ttaaaggaaa taaatattca aactgggtct cattgccaat tttggtggaa 180
 atgagtttgt gtcatttcaa ttacaaagat aaaagtatgc catataattt atttatatga 240
 agattttatt ttgtagtga gntagtagtc atcaagtctt ttgacagaag tatattttta 300
 aagaatttat atgtgatgaa tccataatgt ctggaacttt gctgagacat gagtggg 357

<210> 13395
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 13395
 agagatagan taaaaacaga aaaatggcga cggtcacgtt gtggcgagcc ttgctgcgtc 60
 attagataat cctcatgcaa atagcgggaa gaacaaagga aggggagccc gggacccccg 120
 ggggcgagcagg atccggcggg aggagtctaa gaggaggagg cggcgggtgcc ggaggaaga 179

<210> 13396
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 13396
 ccttattcct taaatggata cagagtgaga gtatatagac aagactctgc caccagtggt 60
 tttactggca taattactca tcatgatctc ttcacccgca ccatgatcgt tatgaatgat 120
 caggtaaata gttccactaa tttttttata gagattttta aagttcaaatt catccatgcc 180
 cc 182

<210> 13397
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 13397
 gaaatataca ataccttatg ttgtatatatta cattatgttg tatagtacgt tgaaacatac 60
 actacaatac gttatcatta attgtggtca ccatgctgtg caaaagatct ctaaaacgta 120
 ttctctctgt ctgactgaan ytttgatatcc tttgcctaatt atctcccaa tccctccac 179

<210> 13398
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 13398
 tccagaaata tatagacctt ttcaagttac taaattactg tacattgcct cactgggtcaa 60
 gtgagggttat tgatgtaaag aaacttactg atgtagcaga aacattttat ccttctgtgt 120
 gttgagcatt tatrattact tcaactgaga ccnaaataga aacacacaca cacacacaca 180

<210> 13399
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 13399
 atgattcccc caagtattct gggcatttaa atatattctt atgctttcta cttgatgctg 60
 tctcaacccc atcacccttt tctccacctg aggaaattaa tcatcccwag gaggctctcc 120
 cgcaaccca 129

<210> 13400
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 13400
 aataactttt aaaaagttgt cttgtagctt gaagggatcc taaatatcaa aagcccatca 60
 caaacttaca agccttactg ctacgtaaat atccctttga actagtttct ggttctattt 120
 aaaaagtcga aaacwgttga aattaattta cgaataagaa cagatacaca ctttgtgggg 180
 aggctgaggt ggtaggatct cctgagccca ggagttttta gtccagcctg ggcaacataa 240
 cagcaagacc 250

<210> 13401
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 13401
 cagaagagac agaagtgaac ctgcacatct aacctttgac gttttttcaa tgatttaaag 60
 atgtttttma cccaraatct cagtaggtgt tatcttctac ccttaatagt cacagatcag 120
 tcaacatcta aaaggccccc tctggagcaa atcactctgc cattctagtt tccacctaatt 180
 ttctaagtcc tatagttctg cttaaatatc tcttaaacca ttttyttctct ccattcttcat 240
 tggt 244

<210> 13402
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 13402
 ccaaaatgca caaactatgg cttacaacat cacacccttg cgcagggcca cagtgggaatg 60
 tgtgaaagat caggtaagtg ccagcatctc tgtatctgaa tttgatcctt ctatgagttg 120
 gtaacacaaa ccttcaaata ttttcagcca aggggaaatc atcaacattc attcgttttt 180
 ttatttctac ttcacctttt ttcagtcatt tgaggtagct taataaaaaac agaaaactac 240
 acaaaaagtg actatattag caatgagaaa gtaagattgg tattagtaac taatattatg 300
 caatggggaa aataagttag ggggtgagatt tccagaatag aaggactata tggtttttga 360
 cacttttgct tagagctttt tttgcatatc acacaaacac 400

<210> 13403
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 13403

ggcactgaat aaatatctgt tgtgtgaagg aatgattggg gagtttattt ttaaacaagg 60
 aaac 64

<210> 13404
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 13404
 caggtttggg aatatcttgg gatggagaca gttttagtaa gtcatggctg cgccgcatct 60
 caagggcaag ctctgtggtc tttgtggcaa ctacaatgga cataaacgtg atgacttaat 120
 tgggtgg 126

<210> 13405
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 13405
 agtcggagcc agcgcgagcg ccgcccgcct cactgccgct gccaaagtcc ccacccgctg 60
 cccccgccat gtctgctacc gctgccacgg cccccctgc tgccccggct ggggaggggtg 120
 gtccccctgc amccccctcca aamcytsacc agtaacagga gactgcagca gacccaggcc 180
 cagggtggatg aggtgggtgga catcatgagg gtgaacgtgg acaaggtcct ggagcgagac 240
 cagaagctgt cggagctgga cgaccgtgca gatgcactcc aggcgggggc ctcccagttt 300
 gaaacaagyg ca 312

<210> 13406
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 13406
 ccaaatatga cccttcgctt gagggcaact gcataggtac atctaactct ggactggcat 60
 gcacattgtc atgtgcagct ttgcatatac acacatgcat acatgagcct ccacacaagc 120
 acttgacac atgtggactc ctaaccatgc taacctcact ggctgggaag gtggggaccc 180
 atgggccagc ccttgacagga ggcccttttg caaggcttag ggtgtggcca gccctgaaag 240
 ctacttg 247

<210> 13407
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 13407
 ttttctgctt tcctaaatat gagggcaatag aaatttataa tttgagacta cagtaccctt 60
 tgtttttagct cttatcacag ctggcaactg gtagtgattt tttttgttgt tgttttgttt 120
 tgttttgaga tggagtctcg ctctgttgcc cagggtggag tgcagtggca cgatctcggc 180
 tcaactgcaac ctccacctcc tgggttcaag taattctcct gcctcagtct cccgagtagc 240
 tgggattaca ggtgcatgcc cc 262

<210> 13408
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 13408

tagaaaaacac	aataaaaaaca	aactgttcgg	ctactggaca	ggttgatat	taccagatca	60
tcactagcag	atgtcagttg	cacattgagt	cctttatgaa	attcataaat	aaagaattgt	120
tcyttccttk	gtggttttta	taagagttca	agaattgttc	agagtcttgt	aaatgttatt	180
ttataaatcc	ctttaaatth	tatctgttgc	tgttacctct	tgaaatatga	tttatttaga	240
ttgctaatacc	cactcattca	ggaaatgcc	agaggtattc	cttggggaaa	tggtgcctct	300
tacagtgtaa	atthttcttc	ctttacctth	gctaatatca	tggcagaatt	tttcttatcc	360
cttgtgaggc	agttgttgac	tgagthtttc	atccttaca	tcctgtccca	tggtatttta	420
catawaaraa	aataaaactg	ttaca				446

<210> 13409

<211> 154

<212> DNA

<213> Homo sapiens

<400> 13409

aaaattcctt	ctattcttac	tggaaggaac	catatgcact	ctttggagtc	tgaaatatgg	60
aggatgcagc	tgacttgac	tgaccgatta	aaagatttcc	cttgactttg	agaaacgata	120
tttaatcaga	acaaaatact	gtgcactaaa	gatg			154

<210> 13410

<211> 150

<212> DNA

<213> Homo sapiens

<400> 13410

agatacaaat	atggcgthtt	ggacgggctc	gatagthtgc	ttggcctcta	ctcaaggaat	60
gctgatggta	tagcaagaag	gtattctgag	cattatatca	atggggaagt	tatagatctt	120
ttgcaaagca	ggaggttaag	tcacaaacca				150

<210> 13411

<211> 394

<212> DNA

<213> Homo sapiens

<400> 13411

agatacaaat	atggcgthtt	ggacgggctc	gatagthtgc	ttggcctcta	ctcaaggaat	60
gctgatggta	tagcaagaag	gtattctgag	cattatatca	atggggaagt	tatagatctt	120
ttgcaaagca	ggaggtctga	gtgcaatggc	atgatctcgg	ctcactacag	cctccgcctc	180
ccaggttcaa	gtgattctcc	tgctcagcc	tcctcagtag	ctgggactac	agagtcaccc	240
tagggcatcc	agaggccttc	aggggtggcct	gaagtctccc	accgcaccac	ctttgggtta	300
acctagcctg	tcctacagaa	gatgatgaag	ttgggtctgg	aggcaagctg	actcagatgg	360
attctcgatt	ttatgatgct	ggactrgaga	tggg			394

<210> 13412

<211> 393

<212> DNA

<213> Homo sapiens

<400> 13412

tctcattgca	gagaagagga	gaaaggcatt	ctgtgcagtg	gaaattgtca	gtgtagacgc	60
ctcggggctt	aagagaacgt	gacatrgaag	agacaggaaa	tatgtactct	tgtacaggta	120
tgcggcacac	atgtggcccc	ctccctccca	gcctcctcac	taaagattat	taacctgctt	180

attctcctgg	ttcacctgag	gctgttttga	gagaatctca	gtatctcagt	cttcattttca	240
tacgacattc	ttcgggctcc	tcttgttcat	ctttgcagac	tgaagtattt	atgaaggacc	300
ttcagaaatc	tgattcctcc	tgatgaatca	aagagtaaag	aagaatcaaa	catgattaac	360
caggtcaacg	gcagagactt	atccagagca	act			393

<210> 13413
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 13413						
ttgtgatccg	cccgcctcgg	cctcccaaag	tgctgggatt	gcaggtgtga	gccaccacgc	60
ctggcctcaa	gcttggctctg	aatatctatr	tgcaaatatg	ggacactgac	ttcagagcta	120
ttcattttagc	tccagtcata	gcaattctgt	agtttctctca	catttactgt	gtctttgtca	180
caaataaaat	atgttgtaag	gtcagtggtta	atttcgtgag	acgatataga	tgaacacact	240
tgctcatttt	ttgaaataaa	tatgcagatt	taaaatgagt	gg		282

<210> 13414
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 13414						
gtcttccaca	atggttgaac	taattttacct	tcccaccaac	agtgtaaaag	cgttcactta	60
cacctaaacc	caaaggaaaa	accagctcta	ggccaattg	ttctgctcta	actgatacct	120
caaccttggg	gccagcatct	cccactgcct	ccaaatatta	gtaactatga	ctgacgtccc	180
cagaagtttc	tggtgtctacc	acactcccca	acccccact	cctacttcct	gaagggccct	240
cccaaggcta	catccccacc	c				261

<210> 13415
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 13415						
ttcttaactt	ctgagtgcac	caggctgtac	ccgttagatc	ctttcaatat	gacagttttg	60
tgcttctctc	tgacaggatg	tttctccacc	gagctgtagc	acaggatggg	agggagggtg	120
gaatactcct	tgcttaggct	ggagtttaca	gagacactgc	acagcttaca	ctcctgttaa	180
gtgtaaatat	tcaacacttc	cattccattt	gtgtaaaaaa	taaagcacac		230

<210> 13416
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 13416						
caccaaggac	tttttagcagg	cgtgtcttcc	tctctgagcc	ttggatttcc	catctgtgaa	60
gtgaggataa	gtccctccca	ggaagactgc	aaatatccag	tgagaggagc	agcactcaga	120
gcatgcatgg	tgcatatctg	gtgctagact	ccaagaattg	gatggcacta	atattgtaac	180
agtgttgaca	catgtcccaa	ttgtttctct	ttccatagct	gttcttagaa	acttacttca	240
ccatccgccc	accccccccc	catcctgtgt	tcccgcga			277

<210> 13417
 <211> 120

004220 "06067560

<212> DNA
<213> Homo sapiens

<400> 13417
tccttccagt attttatact tcctgggata gcactacctt gcagaaatgt acagcaaagt 60
gctgatcgct cttccataga tagtccttca aatatttaag tgagctatct tattatcccc 120

<210> 13418
<211> 172
<212> DNA
<213> Homo sapiens

<400> 13418
cctaggatta acattttggc caatggtttt ggcattcttt tggatttggc ccagtcttat 60
tttcaatgca gagtcatgac tatagatacc agaagattag agaataaaat tcattcatac 120
ctttcttggc tggttggtgt taccaataaa tatttcagca aaggttcaga cc 172

<210> 13419
<211> 196
<212> DNA
<213> Homo sapiens

<400> 13419
tgaaatattt tactaagcgt tcagtctgtg cctcctgcat ggggtgggagt gaggggaacg 60
agacccccag cctctgcaaa tgctaccccc aggcctctgg gagacctggc gatgcactcc 120
tgggctcagg gcccatcagg cagcctctta ccctagagct ctctccactc tgaggttcag 180
aaggacccca acccag 196

<210> 13420
<211> 158
<212> DNA
<213> Homo sapiens

<400> 13420
acacgaatgt gtttctaaat gagagaggca gngtatcatg ctcgctgaga taaaaacaga 60
agctgccaga cactgcactg tggttttatt ctgagaatcc tttgcctgaa acccgctctc 120
ttttcttgat gttctctgtc tctctctctc tctctctc 158

<210> 13421
<211> 223
<212> DNA
<213> Homo sapiens

<400> 13421
tttgatttat ataatcacc attaaattag aattttgggg ggacttatat gaggaactca 60
ccatataact ttggagttat atgaggaagc tgtgagtgtg gatcataata aaagcatatc 120
attctagaym attttaaaaa ataccgtgtt ccgatggaaa gaccagttt cctctcgtga 180
tatgattttc cagagacata catgaagtct cccaatttga agg 223

<210> 13422
<211> 571
<212> DNA
<213> Homo sapiens

<400> 13422

ttaaaaatca	gttttgatga	aaggagggaa	aagcagatgg	actnnaaaaa	gatccaagct	60
cctattagaa	aaggatgaa	aatctttata	gtaaaatfff	ttataaacta	aagttgtacc	120
ttttaatatg	tagtaaactc	tcattttatt	ggggttcgct	cttgatctc	atccatccat	180
tgtgttctct	ttaatgctgc	ctgccttttg	aggcattcac	tgccttagac	aatgccmcca	240
gagatagtgg	gggaaatgcc	agatgaaamc	naactcttgc	tctcactagt	tgtcagcttc	300
tctggataag	tgaccacaga	agcaggagtc	ctcctgcttg	ggcatcattg	ggccagttcc	360
ttctctttaa	atcagatttg	taatggctcc	caaattccat	cacatcacat	ttaaattgca	420
gacagtgttt	tgacatcat	gtatctgttg	tcccataata	tgctttttac	tccctgatcc	480
cagtttctgc	tggtgactct	tccattcagt	tttatttatt	gtgtgttctc	acagtgcac	540
catttgctct	tttctgcaac	aacctttcca	g			571

<210> 13423

<211> 296

<212> DNA

<213> Homo sapiens

<400> 13423

gttcgctcog	cgccgcccgc	ctgctacgag	tagaacgctg	tccgcagctt	gcgcatttcg	60
cagccgctgc	cgccctcgccg	ctgctccttc	gtaaggccac	ttccgcacac	cgacaccaac	120
atgaacggac	agctcaacgg	cttccacgag	gcgttcacgc	aggagggcac	attccttttc	180
acctcagagt	cggtcgggga	aggccaccca	gataagattt	gtgaccaa	cagtgatgct	240
gtccttgatg	cccaccttca	gcaggatcct	gattgcca	gtagcttg	aaactg	296

<210> 13424

<211> 113

<212> DNA

<213> Homo sapiens

<400> 13424

tttttgatag	ttaatagaaa	ttgaaccaga	gttttcttat	gtttgcttga	acagttgtgt	60
aaatcataca	ggattttgtg	ggtattggtt	gaatatgtgt	aaaccattcc	cca	113

<210> 13425

<211> 394

<212> DNA

<213> Homo sapiens

<400> 13425

tgtaaatgat	gaatttgctr	aaaaataaat	tgaggccaaa	ttaaatacaa	acaagataac	60
tctaaaagat	tgaggagaaa	gtcaaaaatc	taggcagatt	ctgtgggtcag	atggcttttc	120
agttgccttt	gggttttttt	ttctcttctt	ttaaagaaaga	gaacctgaaa	atcatagcaa	180
atttcctggt	ttatacagga	aagataatta	ggaattccag	acagtggacc	catcttcaaa	240
gataaggcat	ggccccctgta	cttctaccaa	gtttgagatg	agtatacact	tatagtttgg	300
attaaggatg	tcttttgtag	gggcggcagc	ggctgcgttg	tataaagtat	acctgtctaa	360
tgagcatata	aagatgctgt	cactcaacag	gtta			394

<210> 13426

<211> 180

<212> DNA

<213> Homo sapiens

<400> 13426

atgtggacag	aaatgttgaa	ggcagggtgcc	tgatccaaaa	tgcatcttagt	caggactgaa	60
------------	------------	-------------	------------	-------------	------------	----

cacaagctgc ctggatagtt cctgcagttg cagtgggtgca gaatggctga cctcagtcctt 120
gcagatgcat taacagaacc atctccagac attgagggag agataaagcg ggacttcatt 180

<210> 13427
<211> 477
<212> DNA
<213> Homo sapiens

<400> 13427
atagctttta gaatgtgcta atgataaatk attacatgtc aatttaaatgt acttaaatgtt 60
taatacctta tttgaataat tacctgaaga atatatatct tagtactgca tttcattgat 120
tctaagttgc actttttacc cccatactgt taacatatct gaaatcagaa tgtgtcttac 180
aatcagtgat cgttttaacat tgtgacaaag tttaatggac agttttttcc catatgtata 240
tataaaataa tgtgttttac aatcagtggtc ttagattcag tgaaatacag taattcattc 300
aattatgata gtatctttac agacatttta aaaataagtt atttttatat gctaataatc 360
tatgttcaag tgggaatttg agacactatg ttctaatttt aagaactgtt tcagtgttat 420
tagattagta gtagggctgt agatgggggc tttcgagggc ctttgccctac ctcagta 477

<210> 13428
<211> 94
<212> DNA
<213> Homo sapiens

<400> 13428
atccaaatct cacttgaatt ataatctcca taatcctcac atgttgagag aggccagggtg 60
gaggtaatta aatcataggg gtggttttcc ccag 94

<210> 13429
<211> 179
<212> DNA
<213> Homo sapiens

<400> 13429
gtttatatat tctgaatatt aaatcatatc catgtgattt gcatacattt tcatccattt 60
cctaagagac attttctactg tattgaacgt tttctctgat gtgcagaaat tttttagtg 120
agttaaattt ttcattttct ttcttgctca tacatttaat gttgtatswa agaaaatgc 179

<210> 13430
<211> 537
<212> DNA
<213> Homo sapiens

<400> 13430
gagatgaatt gatagagtat atamaagaac agaaaagggtc atccgccaaa gaagcctgtc 60
cagtttgga ctgttccttt cctgtgcaca gmaacagtk aagtgtttta tagctacgga 120
accagttgac attgantnna aagaacatga caaaccacac ctggcattgg ataaatcata 180
ttacaccttc aaaatacaca ctctgaatta taaagatgtg tttgtkttct ttccaaatca 240
tgtagaattg atttccagtt caaggataaa ccaaaacaat atttagaact atcaagtgat 300
ctaatttatt ttcttttggg ttcttcttta catttactgt tattttatta ttattagtag 360
tagcagcaac agagtatgat atgacccaaa agccattgta aagtgccaca ttacccaaat 420
taattaagta aactttatag cctgtgggag tctattatat attattttgc aaaagtagta 480
aatatattat tgtttcatga tgactcttga tgagatgcta gaatgtaacc atacatt 537

<210> 13431

<211> 312
 <212> DNA
 <213> Homo sapiens

<400> 13431
 ccntctctgc cctgctccag gcaccaggct ctttcccctt cagtgtctca gaggaggggc 60
 acggcagcac catggacccc cgcttggtcca ctgtccgcca gacctgctgc tgcttcaatg 120
 tccgcatcgc aancamcgcc ctggccatct accatgtgat catgagcgtc ttgttggttca 180
 tcgagcactc rgtagagggtg gcccattggca aggcgtcccg cgggtcatgt gtctgatgct 240
 gctgagcgtg gcgcgagcat tcttggtgat ggtggtccgc acataggagg tggcaggcctt 300
 ccgctggcmg ga 312

<210> 13432
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 13432
 attcactttc tgttttttat ctaaatgcc a gccttagcct tgttcaaggc aacagtatac 60
 aggaaatcat ggggtttcgag catgttttgt caatatattag taaaatgcgt tcatagctat 120
 tattataaag acttttaggta cattcctgca ccacttaata actgaatcaa tctcctttca 180
 tcaggggggaa caaacctgtc tttggctcac actggttgag gatataaaaag gaagcataca 240
 gtgggcctca ttctgacaaa ttttttagtaa atcacagggtt gcctttccta aatscstcaa 300
 tatgatggct agtctgtttc atagtgaata aaaagtgatc ctggatgaat gaataaagtg 360
 aaattcagat aattttttctc aaaactgaaa ttgttttaaat cttccttttag ttctcttttt 420
 tctgcctgc 429

<210> 13433
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 13433
 caatgtaaat gctatgcaaa tatttggttac attgtgttgt ttaggaaatc ataaccacaaa 60
 aaatgtctgt tcatattcag tacagacaca acaaatccat ttttatgaat attttcaatc 120
 cttggattga atccacagat tgaaaaccgc cagatatgga gggctgactg tgttcagtac 180
 ttcctttttt ttttttccct 200

<210> 13434
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 13434
 acctgctttc tgcccttagg ctccagtaga ttgcaaatga cctgcttact ttctgttccc 60
 gggctgcgtt ctgacacctg tcggatagta aatcccaagt aaggtagcag ccgtcggcag 120
 atttgagctt tcttcttgga cacctatacc cacagtccct cagtgtttta gacgcccagc 180
 tgcagccccc agccctc 197

<210> 13435
 <211> 254
 <212> DNA
 <213> Homo sapiens

004220"655E7560

<400> 13435

aggactgcat	ttgctccgga	gcgtccagag	tcctggccct	gagcggaat	cgcagtggcc	60
gaggctgagc	ggcaggtaga	aggggcgtct	ccggggcttc	acaggggaaca	caggggcttc	120
ggcccaacca	caagtacgca	ggtgcacatg	ccctactttt	gcccattctt	tgcaaatccc	180
ctaaggaacg	aacgcgcctc	gcgtgcgggc	ctttctaate	ttcgcttgtc	ccttcacttc	240
cacagctgga	ggtc					254

<210> 13436

<211> 323

<212> DNA

<213> Homo sapiens

<400> 13436

aactcttagt	tcctccttga	attggttgcgt	ttcatctttt	cagacgaccc	tgggttccag	60
tggttgctgt	catttaatat	cggggttact	ttgggcatgt	cacttaactt	acttgagcct	120
cgtattcctt	cccttactcg	cagtgtgggc	agtacaatat	caacttcctg	gaagttgctg	180
taggaagacc	aataatgtgt	gtaagggtact	tggtccttac	atacattatt	aaatctgttg	240
gtttcttctt	cccattcttc	cgttataatc	taaatcccga	tttctttttg	gttgtgaagc	300
cagttttcct	gtccttctgg	ttt				323

<210> 13437

<211> 166

<212> DNA

<213> Homo sapiens

<400> 13437

gacgtgggca	gaagcaggag	actgaagggg	gctcgcggcc	tggcaagaat	gtacagctga	60
cagagaacga	gatcgcgtct	gtgcctgaaa	tcccgggaga	tttttctgag	ccagcccatt	120
cttctggagc	tggaggcacc	cctcaagatc	tgcggtgaca	tacacg		166

<210> 13438

<211> 159

<212> DNA

<213> Homo sapiens

<400> 13438

acacacgcgt	cggaggagag	cccgcctagc	tctcccgccg	agtcccggga	tcctccaaat	60
ccgaggagct	ccggcgccgc	ggggcagctt	tctgcgcctt	tccccgctcg	ctgtacttct	120
tttgggggttc	gttggcttgg	cgaacggaga	gggggagggc			159

<210> 13439

<211> 118

<212> DNA

<213> Homo sapiens

<400> 13439

tcacactgag	tgtccagtcc	ctccaaatcc	ggctacactc	tactggcaag	gagcacctgg	60
gccatgtttt	agagatcatc	cgaggactaa	ccccaaaagt	ttatgaagag	amagcaga	118

<210> 13440

<211> 303

<212> DNA

<213> Homo sapiens

<400> 13440

tatcttgc	cat	cttgggct	gg	actcctacaa	cagccacaac	ctccctgctg	gtctcccagc	60
ttctagcctt	ccccatctc	ctgtcgtttt	cgacacagca	gccagaagga	tcctttaaaa			120
acagagggtg	atcctgtcgt	tcctcaaaat	cctccaatgg	ttttcctact	gcactcagag			180
taaaagccag	tctctgcctt	agatgctctg	ggatcctgta	ccctctttgg	tctcatgtcc			240
tacaatctgc	attctggcca	taatggctct	ctctgctgtt	ccttgaacat	tccaggaaca			300
ttc								303

<210> 13441

<211> 439

<212> DNA

<213> Homo sapiens

<400> 13441

gctggaacta	taggcacgca	ccaccacgcc	cagctaatta	aaaaattttt	ttattagtag		60
agttggtggt	ctcactatgt	tgcccaggct	gatctcgaac	ttctgggctc	aaacagtcct		120
cccaccccag	cctcccaaag	tgctgggatt	acaggcatga	gccaccatgc	ctagctaagg		180
catgcttctc	taagggtcct	aactctgggt	acttcctctg	cctggcagca	tcttcttcca		240
gataaatcct	atctgccaac	ttctccgggt	tttcctttct	aaatgtgggc	ttttcagtgg		300
gcaccactct	caccaaccta	tttaaattac	aatccaccac	cttcccagca	gtcttgacct		360
cctttctcaa	gctgtttttt	ttttcctgwa	gkgcttacca	atttttttaa	catataattt		420
attyatttgt	aaagaaagc						439

<210> 13442

<211> 144

<212> DNA

<213> Homo sapiens

<400> 13442

cacattttcca	gggcagcagc	cgggatcgat	ggtggcgctt	tctcctgtgc	ccaccctctt		60
tcaatctctg	ttctgtctcc	agatgccttc	tagattcact	gtcttttgat	tcttgatttt		120
caagctttca	aatcctccct	actt					144

<210> 13443

<211> 332

<212> DNA

<213> Homo sapiens

<400> 13443

tgtctacagg	tgaatttgta	tgtgtgtata	ttacacgtaa	attcacgcac	tcttgcgtca		60
ttaacactcc	attacagtcc	cagtgggcga	gtggcgggaa	atcctcgtca	agttgtcttg		120
ctgtttcctg	ccatgatggc	gatgagcacc	tgataggaga	agggggaaga	ctttagatag		180
tgtttacttt	garaacctaa	ttaagcatag	cctgaagaga	agccccagg	agcctagagg		240
cccgggaggg	gtcccagctc	cttgacccac	tgtttctgtg	aatttgaacc	tctgatgggc		300
tcgatcctct	tatccataga	gcaagggtcc	ac				332

<210> 13444

<211> 253

<212> DNA

<213> Homo sapiens

<400> 13444

agagtggaa	atggcgactt	gcgccgaaat	cctgcggasg	agttccccga	aattgacgga		60
caagtcttcg	actacgtgac	cggcgtcttg	cacagcggca	gcgcggactt	cgagtctgtg		120

gatgacctgg tggaaagctgt aggggaacta ttgcaagagg tgtccgggga cagcaaggat 180
gacgcgggca tcagggccgt gtgccagcgc atgtacaaca ctctgcgtct ggctgagcca 240
caaagccagg gaa 253

<210> 13445
<211> 216
<212> DNA
<213> Homo sapiens

<400> 13445
ctgtctcttt ctaactccta tgtctccacc agactcaggg taccactgg gtggtgtggg 60
gctggtttcc ctaacattcc ccaccaaata aagcagctcc aaccttctag atggttgctc 120
agctcagaag tcttagagaa attctgatgc ctctcctcac atttgctctg tcggcaaatac 180
ctggtgtcac aagagggctc aggagggttt ctggat 216

<210> 13446
<211> 232
<212> DNA
<213> Homo sapiens

<400> 13446
gggttttggc ctggctctgt gactgaggcg gcggcggtgg cggccaagcg ggatacgggc 60
ggcgggagct ggggaacagg catggacgtt tccsggcaag asaccsactg gcggagcacc 120
gccttcggc agaagctggt cagtcaaatac gaggatgcca tgaggaaagc tgggtgtggca 180
cacagtaaata ccagcaagga tatggagagc catgttttcc tgaaggccaa ga 232

<210> 13447
<211> 199
<212> DNA
<213> Homo sapiens

<400> 13447
attgaggagc tgcctcgcgc aggggggtgtg cgaggctgag tccaagagat agcaaatacga 60
gtcttaata atccggggag aaagacgccc gggtagattt gaggtgcagc cttggaggga 120
gggattagaa gccgcagac tttttttcct cccctctcag tagcacggag tccgaattaa 180
ttggatttca ttcaccggg 199

<210> 13448
<211> 221
<212> DNA
<213> Homo sapiens

<400> 13448
ggatgcttat tatakacga cgcgacacca gcgcccgggtg ccaggttctc ccctgaggct 60
tttcggagcg agctcctcaa atcgcatcca gattttcggg tccgaggga ggaggacct 120
gcgaaastgc gacgactatc tccccctggg gccatggact cggacgccag cctggtgtcc 180
agccgccgct cgtcgccaga gcccgatgac ctttttctgc c 221

<210> 13449
<211> 261
<212> DNA
<213> Homo sapiens

<400> 13449

atatagagag	ctcagtgagc	tgatcgcgga	gaagccactt	ctgccagccc	cggcgcctat	60
aaatcgatt	ccctcccgcg	ccccctttt	tagcatattt	gatcactttg	attctctgtt	120
cttttctctc	cgcggtgtgt	gtgtgctg	gcgctgtgt	gttttcttct	tctcctcctc	180
ctctccccga	gttgccctct	ttctccgggt	gccgtactgc	cttttttccc	ctcttttcatt	240
ctttctctcc	gtctttttct	c				261

<210> 13450
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 13450						
aaaccacaat	ggccaggcgt	tcctccagga	cctcctgccc	caggatcttg	cttcaagtgc	60
tggaaatctg	gccgctgggc	caaagaatgc	ttgcagccgg	ggattcctcc	taagccatgt	120
cccatctgtg	crggccccac	tggaaatmgt	actgtcyaay	tcacctggca	gccactccca	180
gmgccccctg	aaytctggcc	caaggctctc	tgactgcttc	ccasatyttc	ttggcttagc	240
ggctgaagac	tgaygctgcc	cgatcgcttc	ggaagcccc	tacaagacca	tcacggatgc	300
cgagcttcgc	gtaactctca	cagtggaggg	tacacatcca	gatggcnnnt	tcctgcctta	360
actgatgaca	ttctaccaca	aaa				383

<210> 13451
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 13451						
agagccgcag	ttctcccgtg	agagggcctt	cgcggtggaa	caaacactcg	cttagcagcg	60
gaagactccg	agttctcggt	actcttcagg	gatgagtcac	gtggcagtg	aaaatgcgct	120
cgggctggac	cagcagtttg	ctggcctaga	cctgaactct	tcagataatc	agagtggagg	180
aagtacagcc	agcagtaagt	acaacatctt	g			211

<210> 13452
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 13452						
attatgacgt	gttcctgccc	tgccccaaact	gatcaatcga	ccctgtgaca	ttcttctgga	60
caatgagtc	catcatctct	ccaccatgca	ccttgtgact	ccctcctctg	ctgacaacag	120
ataaccacct	ttaactgtaa	ctttccacag	cctacccc			158

<210> 13453
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 13453						
aatcgaccct	gtgacattct	tctggacaat	gagtcaccac	atctctccac	catgcacctt	60
gtgactccct	cctctgctga	caacagataa	ccacctttta	ctcctgttta	ggtgggtcttc	120
tatacggaca	tgcttgacac	ttggtgccaa	aatctggggc	aggggactcc	ttcgtgagac	180
cggccccctg	tcttggccct	cattccgtga	agagatccac	ctgcgacctc	gggtcctcag	240
accagcccaa	ggaacatctc	accaatttca	aatcggatct	cctcggttta	gtggctgaag	300
actgatgctg	cccgatcgcc	tcagaagccc	cttggaccat	cacagatgcc	gagcttcggg	360
tactcttacg	gtggagggat	ctgcaatcag	aactattgaa	cttctccatt	cagaccgcca	420

<210> 13454
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 13454
 cttctcccag agaaaggaaa atcttggaag agatttaaaa acacaaatct aagccttgac 60
 gggttttttt tcccttttga cccctttccc atctcttcag aatttattcc catggctttt 120
 ttttctcttg tgcgtgtata aaatcaaaag gaagg 155

<210> 13455
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 13455
 ggggcgcgca cctcggggcg atctcgggtgc tccttacctg ggaggtctcc cggcttagtt 60
 tcggcctcgt tgggtcggaa tctccaaagr cagtggggtk cagccagaaa cgcgaagacg 120
 aacgcctagc cggcgcgggc agaaccgagg acacaatgag atttgtggga ccgggcgccc 180
 agangctggc gcggggggaga cccacagct aaaatgctcg gtacccccgg gcagtcgtgg 240
 gttagttaga accgcagagc ctttcccgac cctcgggaag cgcagaagta tccgaaatct 300
 acccgtttct tgggtccagc aaaactttta agccagggtg gaaaatcaca aatgtcaa 360
 gatggaagat ccaggaatcg ggacaggcgc tacgatgagg tcccaagcga cctgcccctat 420
 caagatacca ccataagaac cca 443

<210> 13456
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 13456
 gccattttga atgtgcagct gcagcggggc tgagtwwggg gaggacgggt tgccgactcg 60
 cctacctagc ggtctcttga ttgtcgatat tttgttggca taggtttatg tagagacgta 120
 tacatatata tagacacact gtcttttaaat ctaggcctgt atccggtgtc cgaggcgaac 180
 tcagtaagat gatgttaaga ggaaacctga agcaagtgcg 220

<210> 13457
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 13457
 gcatgcccc tttttttgag gttccattca tttttcttca ttcttttttc tgtttttcag 60
 attagataat ctctatcaat ctatcttcaa attgctaact cttctgccag ttcaaattcta 120
 ttgttacgcc cttctagtag attttttcatt ttagtaattt tacttaattc cagaattt 178

<210> 13458
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 13458
 cagtggaaaca caattctagg tagagtagaa aaaggaaagt tttaaagaca tataaaagat 60

tcttgttgac	aaattat	ttgtagcaaa	tctcaaatgg	ttacctgcta	ttaaggctctg	120
ccatattaga	gttttgcact	attttgctac	caagtttgat	tcatacatct	aaaacatttt	180
gtagttactt	gtcaaggact	taatttgaaa	atcatttgcc	aggccacata	gttatcaatt	240
ttttttttct	atcagctatt	ctgttggtatt	tctaaaacat	tttttagatg	gctttttaaa	300
gtatatttag	cagtaacctt	atgagggttca	aattggtaaa	tctcttgtaa	tttagccttc	360
atcgaataat	aggtaccagt	gtattaaaaa	tgtgtatttt	ttgcagccc		409

<210> 13459
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 13459						
aatacttagc	catgcagaat	atgtgaccag	accagagcat	gtgtaggaag	actttacagt	60
aatcattaac	tctaccccgga	aatgatggac	tacaagttat	aatgtgtgtt	acctacactt	120
caatcagtaa	tattagcaaa	tctccaaatg	ttagtcacat	tggtttgtct	cccttggtaca	180
ttctttattc	atgatattac	agtgtctgtaa	ctgggtgggc	ctttttaaac	aaaacattat	240
ttgcaaaaaca	ga					252

<210> 13460
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 13460						
atcttcagctt	ttggattcaa	tttggttaagt	agaaatgtac	catttgagtc	gcttttctaaa	60
atcttttacat	ttgctataaa	atcttctgttt	actgtcttaa	atctcgagat	caaaacagta	120
ctttggtaac	taatgttgag	atattatata	ttccctctcc	tccctccct		170

<210> 13461
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 13461						
gtcgacgtgc	tgacgccatg	acgccccggc	tggtgtgtgt	cgggtgtgtat	gtgtgtgtgt	60
gagtgtgctc	gctccgagtg	tgtgtgtatt	tgtgtatcgg	cgggtcccgca	gggtcccggt	120
gtttgcggaca	gtatgaggca	agcgcagggg	gacggggacc	agcagctgtc	gccgccgctc	180
tcagggtgaa	gagggaacag	aaatctttgc	cccctgactt	tggaaatctc	gtttaacctt	240
caaaactggcg	atgtcaaggg	ttccaagtcc	tccacctccg	gcagaaatgt	cgagtggccc	300
cgtagctgag	agttggtgct	acacacagat	caaggtagtg	aaattctcct	acatgtggac	360
catcaataac	tttagctttt	gccggggagga	aatgggtgaa	gtcattaaaa	gttctacatt	420
ttcatcagga	gcaaatgata	aactgaaatg	gtgtttgcga	gtaaaccca	aggggttagat	480
gaa						483

<210> 13462
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 13462						
gtcgacgtgc	tgacgccatg	acgccccggc	tggtgtgtgt	cgggtgtgtat	gtgtgtgtgt	60
gagtgtgctc	gctccgagtg	tgtgtggtaa	tttgtgtatc	ggcgggtccc	caggtcccgg	120
atgttgccga	cagtatgagg	caagcgcagg	gggacgggga	ccagcagctg	tcgccgccgc	180

tctcaggctc	tgggaaccac	ccttctactt	tctgtctcta	ggaatttcac	tactctaggg	240
tgaagagggg	acagaaatct	ttgccccctg	actttggaaa	tctcgtttaa	ccttcaaact	300
ggcgatgtca	agggttccaa	gtcctccacc	tccggcagaa	atgtcgagt	gccccgtagc	360
tgagagttgg	tgctacacac	agatcaaggt	agtgaattc	tcctacatgt	ggaccatcaa	420
taacttttagc	ttttgccggg	aggaaatggg	tgaagtcatt	aaaagttcta	cattttcatc	480
aggagcaaat	gataaactga	aatggtgttt	gcgagtaaac	cccaaggggt	agatgaa	537

<210> 13463

<211> 356

<212> DNA

<213> Homo sapiens

<400> 13463

tctaggtttt	gctacaggg	gctttttgac	atacttttgc	actgatcacc	catgtgatgt	60
agctcatcta	agttctgcct	acaggacctt	tgtgacatat	ctcttctactg	ataacttagg	120
tgatgtaaca	cttttataag	cactgcctac	agggaatttt	gacaaatctc	tacactgatc	180
acctaggtga	tgctactatt	gtctaccctc	tgcccaaagt	gggcattgtg	aaatatgtct	240
gcactgatca	cccaggtgat	tctactcttg	tcttgatct	gcctacaggg	ggttttgtga	300
aatatctctg	cactgatcaa	ctaggtgatg	tactagtgtc	taggctgtgc	tacagg	356

<210> 13464

<211> 307

<212> DNA

<213> Homo sapiens

<400> 13464

attaatgctc	cctgggttcc	tgcaaacctt	tggttagttt	ccaaaatcca	taagaagttg	60
atactgacaa	tttttgccaa	ctttttgggt	gcwtttatgg	aggagagctt	tttgagggcc	120
tgtagtaacc	accattttca	ctgacatcct	ttggatcagg	aatctcttaa	atcttttttg	180
ttttcctgag	ggttcttgc	gcccttcttt	tttatcttgt	tatcaaaaat	agtatacttc	240
atcataacct	cagaattacc	cagattcatt	aatactgagt	attgtctaga	aatctctttc	300
tgctga						307

<210> 13465

<211> 425

<212> DNA

<213> Homo sapiens

<400> 13465

agtcttgaat	gagggagccc	cactgtggga	gcaccgtgtt	ccctggggac	ccaagagaat	60
cctccccctgc	tggggtggca	gagacaggca	caaggataga	ctgtctcact	gtgcgctgct	120
ccccgcgaga	ttccaggacc	tgtcctctg	ttttcttcag	ggtcttgctt	tgttcttctc	180
tatctcttct	tcccaccact	ggaggtgtcc	cagcctcctt	tctcctcttc	tctwttcttt	240
tcttttttct	cctcttctct	gtggcaggtg	cctcaggtca	gaagccacag	tctgcacaga	300
gcaggctgtg	ctctcctgag	gaacccccct	aacaccgttt	ggtctcttcc	gtcactgtctc	360
tgaggacaaa	tctctttgca	cactttgcat	actttactaa	cagagaatgc	tgactgctga	420
tacga						425

<210> 13466

<211> 184

<212> DNA

<213> Homo sapiens

<400> 13466

caacaatatt	tattaaaata	caaaaataca	cttttctcac	attacaatca	gtgttctttt	60
gttggcaatk	nccctcccc	acccatacca	ccccctttca	aatctgaacc	ccttatttcc	120
ttttaagct	aaaataataa	ctgaaagaag	ttacatcatt	agatggacca	gaataacaga	180
gatc						184

<210> 13467
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 13467						
ttttattgtt	ttgttttggg	agtgtcatgt	ttccttgatt	attcataatc	catttggcca	60
tatgttgaaa	tctgaacgtt	tgaagaagta	ggcacgtatt	ctagttttta	cagactgatt	120
ttgacaggga	aagcccttta	tcagttagcy	tttccagaga	ttctaggcag	gctttctagc	180
aggatttgtg	ggggcaggct	tgctattgaa	gtccttgaaa	aggctctcct	ggacctaaat	240
gttttttccc	attctgtgac	ttgttttcta	ttttcttgat	agtgtctttt	gaagtataat	300
actaaagttt	ttttattttg	atgaagtgtg	ttttatctat	tttttgttat	tactgttgct	360
atgcwttcag	ggtcatawct	aaggccatta	tctaattccag	tgccatgaat	atztatgcct	420
atattttcww	ctagtaatgt	tatagttaca	gttcttagat	ttaggccttt	gatcca	476

<210> 13468
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 13468						
aactcaactg	tcaaggtgtc	cattgtacca	gctgggcca	ggatccctcc	tgctgaaat	60
ctgactccac	ctgccaagag	tctgagcctg	caggcctaga	tttcgactct	gctggccaag	120
attattttctc	tcgagm					136

<210> 13469
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 13469						
cagacagtag	aaaataccag	ggcagctgca	ggtcacagcc	ctgaaatctg	gccatggggg	60
tcatactctg	cttccacttg	tgctagctgt	gtggccttgg	ggaacatact	caacctctgg	120
cggcttcagt	ttctgcatct	gaaaaacaat	gataataata	gagttcctcr	caggataaat	180
gtgcgtaaca	cacataatgt	agtgcctggc	cc			212

<210> 13470
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 13470						
caagtctgt	caaacatttc	tcaaacttct	gattttatca	aaggtttgcc	agccaataaa	60
gtgcatccca	agtatacagg	ggagaaagcc	wagactccta	cagggtccta	gagtttaagt	120
aatttttttg	ttattaatat	aggtaataat	ttttctaatt	tttatttttt	ggttccaaat	180
gtaaagctcc	ttgtgtttac	ctctgtttat	gtcattcttg	acatgtttat	ctaaattatg	240
tgtgctctgt	gacagggtgaa	atgtaaatct	gggatccata	gtcaagatat	cataaggacc	300
tacttcccag	cctacctttc	ttcctctacc	tgataatgat	aatactcaaa	ataacaacat	360
tcaaaggaaa	cacaaagaaa	tcctgtcttc	acatctccta	tttcttgggc	tccttaataa	420

ctactgatgg tttgttcatg aaaaaaatt tttaaatcaa aagattgtac ttg

473

<210> 13471

<211> 315

<212> DNA

<213> Homo sapiens

<400> 13471

aaaattttta	gtttatagaa	ttgactttta	cagttatttt	tgttaattgtg	ctatatagct	60
gaatcatggt	gttccagctt	tgagaggcat	agacgaatgg	agagagaccc	atttaagata	120
gggtatgttt	aaractat	gtatcagata	cttcctgtct	cattactttc	tgcaacaact	180
tcttggtgg	tctccctacc	tactgtctca	cctccaccaa	atctgtcctc	cctactgctt	240
cttcctgagc	tttgttgaat	acagattgta	ctcttctctg	ctttaaaacy	ttccagaggt	300
tttttcataa	cttgg					315

<210> 13472

<211> 288

<212> DNA

<213> Homo sapiens

<400> 13472

ataataaggg	ctcagagttg	caactgagtg	ggctgaagca	gcgaggcggg	agtggaggtg	60
cgcggagtc	ggcagacaga	cagacacagc	cagccagcca	ggtcggcagt	atagtccgaa	120
ctgcaaatct	tattttcttt	tcaccttctc	tctaaactgcc	cagagctagc	gcctgtggct	180
cccgggctgg	tgtttcggga	gtgtccagag	agcctggtct	ccagccgccc	ccgggaggag	240
agccctgctg	cccaggcgct	gttgacagcg	gcggaaagca	gcggtacc		288

<210> 13473

<211> 274

<212> DNA

<213> Homo sapiens

<400> 13473

caataataat	accgtggcca	tcagaaatag	tttatactct	tttccaaatt	cctgacatgt	60
aagaaacgca	gtaatactaa	aagcttctgg	tacctcattg	tggtggcatt	gaccttacct	120
tctctctgtg	gctttccctt	tccctaattg	aggtagagct	gctgtatttc	aggcaagcac	180
tcaggtattg	ggctatttta	gttgggtttt	tgctttttat	tgatttgagg	ttttaaaatc	240
ttcttctacc	acgaactcta	cccctgacaa	acgg			274

<210> 13474

<211> 470

<212> DNA

<213> Homo sapiens

<400> 13474

aaattcttcc	tgctcttgc	gccgggtcct	gcttccaccc	tgcttttatt	ttatcatgcc	60
gcttttcttc	tagaaccgga	gcaacttccc	gagaagagaa	gaacctccaa	ggctttctgg	120
aacagcccaa	ggagaagtgg	gtggagagtg	cctttgaagt	ggacgggccc	tactatttca	180
cagtcttggc	ccttcacatc	ctgccccctg	agcagtggag	agccacacgt	gtggaaatct	240
tgcgagggt	gttggtgacc	tcgcaggctc	gggcagtggc	tccaggtgga	gccaccaggc	300
tgacagataa	ggcagtgaag	gactattccg	cttaccgttc	ttcccttctc	ttttgggccc	360
tcgtcgatct	catttacaac	atgtttaaga	aggtgcctac	cagtaacaca	gagggactgg	420
tctgctctct	cgctgagtac	atccgcacaa	cgacatgccc	atctacgaag		470

<210> 13475
<211> 112
<212> DNA
<213> Homo sapiens

<400> 13475
attgggtcgg tgctgcgtct aattctctgc ttttcttaaa tcttgctcgt gcctctgatt 60
ttaattccta gcttttggga acctgtcatc ctacgttttt ggtactagct gg 112

<210> 13476
<211> 272
<212> DNA
<213> Homo sapiens

<400> 13476
cctgaaaaat acaagggctg ttggtgagag cagacttgag gtgatgatag ttggcctctg 60
gtctacaaag atttcataac tccttggaaa gcttcttata atcattctta acttcttggt 120
agctagaaat ttagagtagt tgaaatcttt aggaatgaac ttctgagggc caaaaaatgt 180
gactgacggg aacaattctt aaactgatta actagctgta rtatagtttt gtgaatttat 240
tgcactgatg ttgtaccttg tggatatctt gt 272

<210> 13477
<211> 168
<212> DNA
<213> Homo sapiens

<400> 13477
acttcagcca gagagcgggg ttagggtctt attgccttgt gtccctctgct ccgggagact 60
tcggtgatc tgccactccc tccgtcgcgc tgtgacctgc tggcattgaa tgatttatag 120
ctaagactcc aggacacccc tgaagccgag aaatgaaatc ccaagttg 168

<210> 13478
<211> 227
<212> DNA
<213> Homo sapiens

<400> 13478
aacgggatgg atatcagcag aatttcaagc gaggctctgg gcagagtgga ccacggggag 60
ccccacgagg taatatattt tgggtggtgat cctagctcct aagtggagct tctgttctgg 120
ccttggaaga gctgttaata gtctgcatgt taggaatata tttatccttt ccagacttgt 180
tgctagggat taaatgaaat gctctgtttc taaaacttaa tcttgga 227

<210> 13479
<211> 110
<212> DNA
<213> Homo sapiens

<400> 13479
caaatgaaca gcaggattat gaattatcaa aggaaaaagt atttgcgagg tgaaaaaatc 60
tgatgtttga ggaagttttt atttttatct atttgttttg tttttttttt 110

<210> 13480
<211> 74
<212> DNA

<213> Homo sapiens

<400> 13480

aaatgaaccc tgtaaagct actttaattg agccgtctgg ttctagttct gtccagagcc 60
cccgcggtt tccc 74

<210> 13481

<211> 403

<212> DNA

<213> Homo sapiens

<400> 13481

agtggctcgt gggagccaag atggcgggcg cggcggcagc gacagcagca gcagcagcca 60
gtattcgga aaggcagaca ggtactcatt tatgacagat ttggccaaga tataatctct 120
cctctgctat ctgtgaagga gctaagagac atgggaatca ctctgcatct gcttttacac 180
tctgatcgag atcctattcc agatgttcc gcatatact ttgtaatgcc aactgaagaa 240
aatattgaca gaatgtgcca ggatcttcga aatcaactat atgaatcata ttatttaaata 300
tttatttctg ctatttcaag aagtaaactg gaagatattg caaatgcagc gttasagcta 360
gtgcagtaac acaagtagcc aagggttttg accaatatct caa 403

<210> 13482

<211> 134

<212> DNA

<213> Homo sapiens

<400> 13482

gatggcgggcg gcggcgggcac gacagagcag cagcagccag tattcgggaa aggcagacag 60
tggttttgaa gcgtatgttg aatttcaatg tgcctcatat taaaaacagc acaggagaac 120
cagtatggaa ggta 134

<210> 13483

<211> 93

<212> DNA

<213> Homo sapiens

<400> 13483

gaagtgactc tttacccttg aatccttccc cactcctgac cacctttcct actttttttc 60
ccccaaatga atagtgactt tgaatagctc gcc 93

<210> 13484

<211> 167

<212> DNA

<213> Homo sapiens

<400> 13484

aaaaaatgan aataaaaaata aaaataaaaa tatgttactc atgttaacat ataattgggtt 60
tactattgtt gttttaaatg aattaatgaa taattaaact tttttcagct ttaatttcta 120
atatggcaaa tattaataga tatatccact taactaaagt tcctggg 167

<210> 13485

<211> 297

<212> DNA

<213> Homo sapiens

<400> 13485

agtagtactc	tctgcgcatg	tgcaaagcgc	tgtcgggggc	cgccctagct	gccgtcgccg	60
ccgccggggc	tctatggtct	ctccctagag	ctttgccgtt	ggaggcggct	gctgcgggtct	120
tgtgagtttg	accagcgteg	agcggcagca	acatggagga	attcgactcc	gaagacttct	180
ctacgtcgga	ggaggacgag	gactacgtgc	cgtcgggtgg	agagtatagt	gaagatgatg	240
taaataaatt	agtgaaggaa	gatgaagtgg	atggtgaaga	gcagacacag	aaaaccc	297

<210> 13486

<211> 169

<212> DNA

<213> Homo sapiens

<400> 13486

actttcggtc	tctggctgtc	acccggcttg	gccccctcca	cacccaactg	gggcaagcct	60
gacccggcga	caggaggcat	gaggggcccc	cggccgaaat	gacagtgtct	gcgccagctg	120
gagcccaaca	gtgcgtaaac	cccaggga	agatcagggg	agaggggag		169

<210> 13487

<211> 140

<212> DNA

<213> Homo sapiens

<400> 13487

actttcggtc	tctggctgtc	acccggcttg	gccccctcca	cacccaactg	gggcaagcct	60
gacccggcga	caggaggcat	gaggggcccc	cggccgaaat	gacagtgtct	gcgccagcct	120
ggwgcccaac	aacctatctc					140

<210> 13488

<211> 479

<212> DNA

<213> Homo sapiens

<400> 13488

catgtctttg	agtgtcctat	tggaactacg	attagaggat	aataaagaac	attcatttga	60
ggttttcattg	tttgcggaac	ttttcaacga	aatgcttcaa	agagattttg	gtgtccgkaw	120
aatmcaaatc	attaskgtct	cttcctgaga	aagaggacaa	aaaagaaaag	gataaaaaaa	180
gcaaaaaaga	tgagagaaaa	gataaaaaag	aagaaagaga	tgatgaaact	gatgaaccaa	240
aacccaaacg	gagaaaaatca	ggcgatgata	aagataaaaa	agaagataga	gatgaaagga	300
agaaagaaga	taaaagaaaa	gatgattcta	aagatgatga	tgaaactgaa	gaagataaca	360
atcaagatga	atatgaccct	atggaagcag	aagaagctga	ggatgaagaa	gatgataggg	420
atgaggaaga	aatgacccaa	cgagatgaca	aaagagatat	caacagatac	tgcaaggag	479

<210> 13489

<211> 314

<212> DNA

<213> Homo sapiens

<400> 13489

attcgaggcg	acgggctccg	ggccctgata	gatgggggtgc	ggggacggag	acaaatgacg	60
gcctttgggc	tcggaatacc	cacctttctg	gtaatgcagc	ccagcgggtc	ccagcctcgt	120
tttcagcccc	tactcaaaa	tggagtcgct	ctgnnkcga	cgcctctgac	aagtgtgtac	180
ctacgtgtca	gggagcctgc	tcacatgacc	gtgtggagaa	agttctttcc	ctgaggacca	240
tctggagtgg	acgcgtgcac	tacccctctc	tgaatacacc	ctccccacga	ggccctctgg	300
agcatcctgt	agag					314

<210> 13490
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 13490
 atttttttct tctggttccg ttcttgggtcc atgtgagaga agctggctgc tgaaatgact 60
 gcgaaccggc ttgcagagag ctttctggct ttgagccaac aggaagaact agcggatttg 120
 ccaaaagact acctcttgag tgagagtga gatgaggggg acaatgatgg agagagaaaag 180
 catcawaagc ttctggaagc aatcagttcc cttgatggaa agaataaggta acgttcccgt 240
 cagtkaggg 249

<210> 13491
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 13491
 gcattttatct tcaactctgat gaggggtcag acttgataac rcccgtggtg ccccatccct 60
 ataggagctg gtgagattgc agcctgctgc ctccccctca tcagccacag ctattggatt 120
 tcccacccag aatcttttagg taaatgagat catgattctg gaaggagggtg gtgtaatgaa 180
 tctcaacccc gg 192

<210> 13492
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 13492
 ctatgtttgtc acaccccaca cccatactc ctgtaagggc gtgcttgtgc acgcgcacac 60
 gcgcacactc acacgcacgc gcacactcgc acacacccta cttttgaaat gagtcattt 120
 gtattagtgc agctcctgag tgcactggac gattagggtg 160

<210> 13493
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 13493
 gcagccaggg aagcctccgc ggtggtgcaa gtggaaccca agccttgagg tttagtgag 60
 tagggggccg acgtgagctt tagcgtcccc ctttagcctc cctcttcgat tccttgaaga 120
 ccttggtgca gcttagcaag agggcccagg atttttgat ccccagccct gtgacaaggg 180
 ttctgtcca gtttccccct cccaggattt cgactcagtt cagcgaagtc accgccccgt 240
 ctgagaaatg aggacaccaa ggcttagagc acagccccga ggcgcctgtc accaggcccc 300
 gtccccctcc cgggtcntg tggtsagca ctgaaaccnc gtccctgtc canggcctcc 360
 ttctntgggg tccaagggtcc catacanggc ctctgcctcg g 401

<210> 13494
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 13494

ttccgggctc	gaaggctgtg	cggtctgcc	ggagctgcg	ccccgtccg	ccggggctgg	60
catgggttg	aattggagcc	tatccccca	cccgaaggct	aacagcatca	tgtggttact	120
aactgttcct	cattcaccgg	ttgatgcctc	ccagaaaaaa	acgccgccag	ccttcccaga	180
aagccccgct	gctgttccac	caacaaccac	tggagggccc	caaacacagc	tgtgcatcta	240
cacagcttcc	catcactcas	actcgacagg	tgcccagcaa	gcccattgac	cac	293

<210> 13495
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 13495						
atgagataac	catattagta	cctccacca	gcctcctgct	tgatcatacc	aagattcctt	60
ttaatgtgaa	ggttctccta	ctttcagtaa	ctaagaaacc	ctcacagaag	atatatatc	120
ctttctcctt	acagcttctt	tagaactgca	gagtctttca	tggtgtggca	ggcaaataaa	180
attgtcggaa	atagaatata	aaaataaaa	tgtacatatc	cgaaagtatg	tatgacagt	240
tgtataaat	gaggagttac	tgagcaggcc	gtagggccaa	gtttatttgt	tttgctgacc	300
ctttagctta	ctacggacag	ttgatggctg	gg			332

<210> 13496
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 13496						
caaaagacta	cactggttga	acagcaaaga	gaaacccggg	tctccagaat	cacagtttag	60
tccttctata	ttaactgcaag	tgacctgttt	tttctgaagg	ctccccgcaa	atgaagtcct	120
ggaatggaaa	aaatccataa	gtccataaat	taacttgata	aatatttttag	aacagacaaa	180
agaaaaatatt	gagtgatgta	gttctaatacc	tcctaataatg	gaacctggca	agactgaatc	240
attttactgt	gaaatatata	aacacaatag	aatgagccaa	catgatgggt	tctctccagt	300
aagagttttt	cttttgga	tgagggttaac	ctagccccaa	atctagcaat	tctcataaaa	360
tccgatttta	gaattaagsc	ytcccagatt	aatctgaatg	attgacttat	tttttcttag	420
gcaagtcagt	aagccaccca	ctagacagcc	atatccagca	aaataagaga	agtttccaga	480
tgccaaatga	taagccacca	tcaaccagca	ggggaagcct	tctggttggt	ttggctgtat	540
gagattcagg	aaggccagaa	tacccaaaat	tattcacaag	a		581

<210> 13497
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 13497						
tctaaatgag	ttaacgactt	aacttgaaat	tgggcctaag	gagtgagaac	tacaaaaata	60
caaaatgctt	gtccaggact	cagccatgca	caccttgagc	agcgccggca	ggaggcacgg	120
aaggaaactgt	gctccgttct	cctcactgtc	atgggtgccac	cagtgtctga	tgaagggcag	180
agtgaaccag	actgcaggca	gtaactgact	tcacacagtc	cctggcattt	agtcactctgt	240
gattgtttta	tcaactctgga	ctgtgcagag	ccacctgcc	ccgagatctg	cattccgact	300
gcctatgaac	gggtgtgggg	scgggggctg	gcttgttgaa	gtcttcaact	tgcaactcgga	360
gctcctttga	tacctcagga	agctggctgt	caggtggcag	ctcacaccag	ac	412

<210> 13498
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 13498

tatttttggt	gagacaggt	ttcactgtgt	tgcccaggt	ggtctcgac	ttctgagctc	60
aggcaatctt	cccgccttg	cctcccaaag	tgctaggatt	acaggcgtga	ggcaccgcac	120
ctggccaaga	aatgggtttt	catataatct	ccattggctc	gtcatgacaa	caatagccct	180
tttccttttt	ggagggaatg	ttgttatttt	atgattactc	tccttttttag	gaaatgatac	240
atgatctact	ttctcatgcc	tgctccctct	gtcacattta	tacgc		285

<210> 13499

<211> 184

<212> DNA

<213> Homo sapiens

<400> 13499

tctatgtggt	gggaactctt	actgtctcca	ttttatagat	gaggaacctg	aggcacagag	60
agatcaagta	atatacctgc	agctattaaa	tgatggaact	aggattcaga	ccctgacagg	120
ctggctctag	agagtgtgct	gtcaacacca	tgtctcttca	gaaggcattt	ctttttcttt	180
tttt						184

<210> 13500

<211> 191

<212> DNA

<213> Homo sapiens

<400> 13500

aattttaaatg	attgtataac	tcaagaagat	tactttttcta	tgttgctcaa	gctgtgcctg	60
ccaacttgta	acttaataaa	tacaggaaat	cctcagagaa	ggtgatattt	tcaggaaaaa	120
gacmaatgcc	ctcatagtag	tggaagtgt	gaaggtgacc	gtgaacatcc	ttcctcatcg	180
ggtctgtccc	c					191

<210> 13501

<211> 317

<212> DNA

<213> Homo sapiens

<400> 13501

tcatgaactt	gattctatta	atztatatgc	tgatattgta	cttttagacat	acgcttgtct	60
cctgaatgtc	ctctgaatat	tttatagtta	aatgattttat	atttgaaatg	tgttgccaga	120
cttaacccag	cagacactct	gacatcacgg	agcttcaactg	atgacaggta	acgaaacttc	180
ctatgttatg	tcaggtagta	gtaagtagta	ttggaatgat	gttttcattt	ttggtggctc	240
tcaactggaa	ttggtagtgt	ttccaggcca	agggctgact	gcaggttggt	tgagaaatga	300
tgagtaggtc	agtctag					317

<210> 13502

<211> 228

<212> DNA

<213> Homo sapiens

<400> 13502

tttaatttgt	tgaattatta	gttaccactg	tcattttcttc	agctatggat	atgtggctga	60
tggtggggag	acggacctca	gtgtgtttta	tattgtctgg	tgtaaatg	ataaattact	120
ttgtgattac	aagcaaattt	tctatttgac	aaagcccttg	gtggagtcca	aatgattttt	180
ctgtaccata	ttgttctctt	acacatacgt	atgtwaggaa	aataggca		228

<210> 13503
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 13503
 catggtttga tttattcttg ctgggccatt tcagccccctg tcatggcttc actcgccatc 60
 taaatgcaga tgattactgc cttgacggtt cttaaccag ctctcccctg agctgcaggc 120
 ctgcataatcc agtaggtcta ctggacatct gtactggttg ttgtggagga acctctggct 180
 tgctcattaa gtctactga ttttactat cccctgaatt tccccactta tttttgtctt 240
 tcactatcgc aggccttaga agaggtctac ctgcctccag tcttacctag tccagtctat 300
 cccctggagt tagaatggcc atcctgaagt gaaaagtaat gtcac 345

<210> 13504
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 13504
 ttaggagggtt aattccccct cccacaattg ggaaatgcat tttctagctt tttcttgtga 60
 agtttgtgta ttctgagctt cacatagact ggggtgttagt gtttttcagt cctttgatag 120
 actcttttag ctattttatg tgctttatat taaaattatg ttaaactctt atttgttcga 180
 cacctattct gtgtctagca ccgcagtgtg ggcacttgaa atgcaatggc aaagaaagca 240
 gatgttgtct tcctcatggg acttgtaatc tagtcaagaa gacaaagggt aatgaagtaa 300
 ataattataa actataatat gtgtagaatc tggcttggtt ccctgtgaga actcaaggaa 360
 gatttcccag aggaagtggg gttaaaactg agacctaaag attgcatctg aattaaataa 420
 aaagaagt 428

<210> 13505
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 13505
 tgttgggtgtt tgtaatatcc attattgttt gtatatacay ggtttagtct tactgatttc 60
 aaatgcattt tgttattgct caaccact ggttaactg tttgctggga gcattatact 120
 taactttgat tcaccatggg tgatgccact gccatgatcg ctgggtctta aagagctttc 180
 cctagccact gacagccccg tggagatcat aatcagggcc ccaggctggg tccaggatca 240
 ggcagcctat agagtgtgag catctatgtg tagctaccct tgttgggtgg gctcttagac 300
 tgatggg 307

<210> 13506
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 13506
 ttgtacagaa aaaataaaat ggatgcccatt gttttattgc tattactaaa tgtcaagatt 60
 gtatgctatt atgtcttgta aatttctttt gttgggtgtaa atatggaaat gccacattgg 120
 ttaagtgcc aattttgtaa tgcaatgtgt cacttgaaaa gagatttgaa gaaactgaca 180
 acttcaaaaa caaatgagaa gccaaggaa ctgtgagcaa ttaaaagcaa accgcgacac 240
 cttttgtctc caccacacat agtgtacttt ggaagcacia cgtccagggt ggtaccgcag 300
 cgccatgccc attcctcgcc tcgttcacat gacacttcac tg 342

<210> 13507
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 13507
 aatataagga gatacatagg aagatcgaat tagaccatct cggaccacca ggtttacaat 60
 tccacctgca gatacatgca agaagtagtg tcacaatact tatgtcaygt tattccrttg 120
 aggtcatcac caactaagct tataattaat gtgtgggtcaa tttgggtcaat gtcaccagcg 180
 tasatactaa caaaaacaag gggtgcaaag tcaaatgcct ataaggcaga acgtaagacg 240
 gtaggaagca aagtctatag ggagctatat wataaggggc tgcagattca tggcagattc 300
 taaagcacag cagtcccca cttttttggc accagggacc ggctttgttg aagacaattt 360
 ttccacagg 369

<210> 13508
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 13508
 catagccata agcctggttag tatcatatga agagagaaca gttatcttag tacctatgga 60
 ttttctttat ttgctgtttg aatggattga ccttggttaw gtgttgagaa ttaaggaaca 120
 ttctttgaaa tgctctctct agacccatct tggaggctga ttacttactg caccaaagct 180
 atcactgggg tgagatttac tgtttggaca aatttagccc catcccttca aaaatacact 240
 tgtaaccagg tttcccagag tgttgawagg cttctgctga acatatgcca acccacctgc 300
 ataatatatt tttgttgctt ttataaatca tgcattacat aaagtgtgac aacttcaaaa 360
 tgtattctct gttcttgga tacagtgcct taaaatggtg ttcttatga 409

<210> 13509
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 13509
 aaggcaactt ctgttctgtt gctaggactg ttctagcaac acccatcaaa agctgtgac 60
 ccaatacttc tcttacagtc attgaggaaa tgctttttca gcctgtactc tttcctactg 120
 actgtcaa at gcgtgtacga aatggatcct cttttattca ctatttaggg atatcagcac 180
 atttgagacc tccctgtagc cccattttct gacagcatgt tccatttccg tgtagctgca 240
 ccgatttag ctgactgttc aactgatcct tattttgctg ggatattctt caccgattac 300
 ttcttttact tctatcgacg ctgtgcctaa tttgttcaag tttgggg 347

<210> 13510
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 13510
 aatcattgga gacaaccatg tttagtattt gagcattggt taaatgctaa agaaaaatcg 60
 ccgttaaagc agttttcttt ttcactgtct ttttcttttc gcggggaacc cagctgttcc 120
 tgcgagggcc acctcctcag gaagaccccg cagctctccc gcggcgcttc tgcaggaggc 180
 agcgacagtt tcgagaaccc gggccttccc ctcccagtg 220

<210> 13511
 <211> 168

<212> DNA
<213> Homo sapiens

<400> 13511
aaacctatgt gggggtggga gagtttttaa attactcaga tttttaagga ggatttcaat 60
agtccttttt atctttgtga aaattttatt tgaaagttct tattttaaaa tatcaaacct 120
gtcagaacag ctacactttt aaatgctcct ttaatatgaa aagatact 168

<210> 13512
<211> 188
<212> DNA
<213> Homo sapiens

<400> 13512
gttgtgtttg agttggattg cttgcttgta tggccaccaa gtggacactg ggctacatgg 60
agaccagta atgttcaggc gacactgggc tgttctatct ggggcataga acagaggatg 120
gtgaggcagt agaatgtgag aagcacactc tggaaggtga gtgatggggg aaatgctctg 180
tggcaggg 188

<210> 13513
<211> 436
<212> DNA
<213> Homo sapiens

<400> 13513
tgtacccgag ctacatactag ggacgggaag tcgcgaccag agccattgga gggcgcgggg 60
actgcaacct taatcagagc ccaaattggc cagtgggaaa tgctgcagaa tcttgacagc 120
ccctttcagg atcagctgca ccagctttac tcgcacagcc tcctgcctgt ggacattcga 180
cagtacttgg cgtctggatt gaagaccaga actggcagga agctgcactt gggagtgatg 240
attccaaggc taccatgcta ttcttccact tcttgatca gctgaactat gagtgtggcc 300
gttgacagca ggaccagag tccttggtgc tgcagcacia tttgcggaaa ttctgccggg 360
acattcagcc cttttccag gatcctacc agttggctga gatgatctt aacctccttc 420
tggaagaaaa aagaat 436

<210> 13514
<211> 222
<212> DNA
<213> Homo sapiens

<400> 13514
aagtaatcca gaaaagcgaa acagtatgac ctacgaggca atgaagaaca agcatgtcca 60
ccaaaacaat ggcagattaa ttccataga ggttgtgaag ctgatataac tccagaagac 120
ttgaatatat tttttggggg tggatttcct tcaggtagtg tacattcttt ttcaaattga 180
agagctgggt atagccaaca acatcagcat cgacatagtg ga 222

<210> 13515
<211> 443
<212> DNA
<213> Homo sapiens

<400> 13515
ttgtatttag ttctgctgta agcagaaagt aactcttgta ttcaccactg caagagattt 60
gatatcattc ttcccaagag ttggaaaatt ttaaaagaac atgtttgtag agaggggaagg 120
attatgttaa cttgagtaac gatactgaka atcagatcaa gaaatggaag gagaaattgt 180

aggtcccaaa	tgggagttga	ggtgttaatt	tcagtttttt	attacagagg	tgaccaccta	240
ttcacctttg	cttaaggtgt	cttagccaaa	agccactttc	cctggttgaa	acaaagtcag	300
ttgaagcttc	agagcatgaa	tgaataaagg	ttcaaagttt	aaccttttgg	tagcatgagg	360
gaagtactgt	tcagttttact	catatctcag	cctcatttag	gatgttggtc	atggtatggt	420
tttctgacca	aataatagac	tga				443

<210> 13516
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 13516	
atggctgccc	ccagggagag
acgaggctac	catgaaggag
ccgagcgcag	accctgagtc
cgtaacccat	ggatcgcagc
gcggagttca	ggaaatggaa
ggcgcaatgt	ttgagcaaag
cggnacctca	gccggaaggg
cagtgttgac	gaggatgtgg
tagagcttgt	gcagttttctg
aacatgcgag	atcagttttt
caccaccagc	tctgcgctg
gccgcaccc	actccttgac
cggggtataa	atggttttga
ggttcagaaa	caaaactggt
gctg	

<210> 13517
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 13517	
caaatggcac	ttaactgtga
aggaccacct	aggagcaaga
tcttgaccca	ttctgctcaa
cctaacagtg	cagaatgcta
agtaagggga	aaaccag

<210> 13518
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 13518	
atcagacacg	aaggagaggg
caacagatga	gggaagccat
ttttctgcaa	tggaattaaa
tgccaagtgt	ggtttttcct
ttgttgcaaa	tggggaatgt
ttttcctttg	actctaccat
ccagttcagg	acgtctcagt
gtgtttaaca	tttgtcaaca
ggccaagga	ctcacagttg
gaagactgga	gaagactttt
taaaaagatc	tggatttttc
cttatgactt	ggaatccatc
tttgtcttgt	ataactaggc
catagcac	

<210> 13519
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 13519	
attgtaagta	gcatttacat
ttattcaata	atattaccac
atgctggggt	tctgtaccag
aaatggccag	ttgatgtaca
aatgtatggt	atttttgctt
aaattcattt	aaattttttt
taaaataaag	gcagcatcct
ctaaataagt	tttatcagct
ttttttt	

<210> 13520
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 13520

gcatgcgca	gaggacccgc	cgggggttca	gcgtctctgc	tccccagtct	gtgtgggttc	60
cccctggtgg	gcctgcgctc	caccctcacc	tcctatccgc	tcggggagga	agaggggatg	120
gaaatgggag	ggatggcgac	gagaatgctg	gggaggggtc	tgtgggaggg	tgttctgggg	180
ctgcgggtag	tctgcaggtc	gggcggagac	gaagggaggt	gaagagaggg	tctgggggca	240
ggggccagtg	gggcagcaaa	ggcccccttg	ggtagcaaag	gtgggatgtg	gaaggccagg	300

<210> 13521

<211> 205

<212> DNA

<213> Homo sapiens

<400> 13521

tctaagctcc	tatttctcta	gtattttttc	ttgaatttaa	ccctccagag	tctgtgactg	60
ttcaggggtg	taaatgggcc	agccctgggc	taagcatgct	ttgttagaat	gagaacttca	120
gtctgttggg	tttaatggga	agatgaacat	taaggcaaaa	caaccaattg	ctcctgtgct	180
ttctctaattg	gaagctgcct	caccc				205

<210> 13522

<211> 234

<212> DNA

<213> Homo sapiens

<400> 13522

aacgagacat	ctagtacggg	gctcacaggt	aacagaactc	tgatcagatc	cgccccggct	60
cccacacagc	tataaggttg	cctgcctgcc	tgacagaaaa	tgacgaagga	caaaaacagc	120
ccagggctga	agaaaaagtc	ccagtcgggtg	gatattaatg	ctccaggggt	caaccctttg	180
gctggtgcag	gaaagcaaac	accacaagcc	agtaagcccc	cggcacccaa	gacc	234

<210> 13523

<211> 104

<212> DNA

<213> Homo sapiens

<400> 13523

accccgcgcg	cgcgacccc	gcgcgcgcct	ctctgtcgtg	gcgcggcttc	ccgcggctct	60
ctctgcaaat	gggctccgtg	gcctagcgcc	cccgcccccg	ccac		104

<210> 13524

<211> 200

<212> DNA

<213> Homo sapiens

<400> 13524

cagaactttg	aatttttttt	ttaaatgggc	tgtttttaat	gcaggggctt	ttcttcctta	60
gaaacccaat	tctaagcaga	aaaagaaaaa	aaacacaaaa	aataaaaaac	ccctacaaaa	120
aaacttttaa	aaaaatggca	gcaaagggta	gttttcatct	ggtgtctttt	atttaagttt	180
tttaagttaa	gaaaagctgg					200

<210> 13525

<211> 276

<212> DNA

<213> Homo sapiens

<400> 13525

agagcaggcc	tggtggtgac	cagggacggt	gcaccggacg	gcgggatcga	gcaaattgggt	60
ctggccatgg	agcacggagg	gtcctacgct	cgggcgggtc	agctgggtccg	tgtgctcact	120
tcatagaaca	tgaggccat	gaccttcccc	ttcaggatgt	cgaggctccg	ctcctttctgc	180
accatcatac	gcagtgtgtg	tgccacattg	aacagggtgag	acatctgatc	cttggtgaac	240
tgctggacgg	acaggctcgt	ggcacggaag	acagac			276

<210> 13526

<211> 188

<212> DNA

<213> Homo sapiens

<400> 13526

agaaaattta	atccatattg	tcccagaatg	agaaatgggt	ttctaatttt	ctcagactgc	60
taatcatctt	cctgaatcag	ttgcagcctt	atcacttgct	ctcacatgaa	agcattccca	120
taogtatattg	tccacactat	cattctataa	catattagct	tggatttatt	tttctttttt	180
tttttttt						188

<210> 13527

<211> 168

<212> DNA

<213> Homo sapiens

<400> 13527

taaatggtct	ttgccaacag	ttcatatttc	tcttttactc	ccaaaaggaa	atttattatt	60
atatttatga	ttattattaa	atcaatgtct	ctcatgaggc	caggaagccc	atttgctcca	120
gattcgtctg	cctgaagttg	ccctgacttc	actgggagct	cgccaatg		168

<210> 13528

<211> 257

<212> DNA

<213> Homo sapiens

<400> 13528

attaaccta	agtgtctgcag	agataaaactt	aaagcaggaa	gcaacatacc	atgaatgtac	60
tgcaaggga	cacatttggtg	tcattgtgaag	agacatgaca	aaaacagccc	tccttaaatt	120
atttgtggca	atagtgtatca	cattcatttt	aattttgccg	gaatatttca	agacaccgaa	180
agataactta	ccgtcacctt	ttgacaagaa	aaagcgttta	tatatatttga	aaatacaatc	240
aaaataagaa	acctggg					257

<210> 13529

<211> 412

<212> DNA

<213> Homo sapiens

<400> 13529

ttggggaacc	tgatagtga	aagtcacaga	tggagaaaat	tgctctcaga	aaaatgtttg	60
gattgctttc	ctcttggtgc	acatgtacca	tgcattttctc	agcttggggg	actacatttt	120
gtggaaagtt	aatctatcta	tctttccaca	tctgaattaa	tcattctagg	aaagaatact	180
tattctact	catttccttt	atgatgtcca	aatgggttgca	ggatcataat	ctattgtgcc	240
acctttattt	ctagaagtac	aactaatatg	ttcacatttt	caaataaata	atactccccg	300
taagaataac	tgcaaccaat	cagtgttatt	cagtgtctatg	cctccttgta	atgggtagtt	360
attaattatt	ttcagagctt	tccggaaata	ctgtcctaac	tggctatggt	ta	412

<210> 13530
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 13530
 gagtgggaatt ttggaacgaa atgtaacgaa gagaagtaca gtagtaagag taacactgta 60
 gccgccaccg gcaaggggtg cgcgctgggg agcggacgct gcatccccctt tctgctgcag 120
 gaacctctca tcagaccgcc tgaggggaagc ggcgcccag acccgccccg gcccggtcca 180
 cattctcccc aggaagccg 199

<210> 13531
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 13531
 aaatttgact tgtagtttc tgtgtttgaa atcatgggtc tagaaatgta gaaattgtgt 60
 atatcagata ctcatctagg ctgtgtgaac cagcccaaga tgaccaacat cc 112

<210> 13532
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 13532
 aacatatgaa tattgcgggg acacagacat tcaatccata atagcaagtt tcagtggatt 60
 tcagaagccc ctaaggcaga aaagcaaaag caccttattt tttgtccact tgacctatgt 120
 cttakgtkgy actgaaatgt aggtctccta attttagtgt agttttgtat atttctcc 178

<210> 13533
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 13533
 attctgggaa atgtagtcca gacgctctgt ggagtcgcgg gagctacggc tgcgggagtt 60
 accctttatt ctgtgatatt ttgagctgtt ctgcgtctcg caggcccttc tgaatttctt 120
 ggacctactc tcggaacctt caacgagcta gcgatagatt tagaggaaag gaagcaccgt 180
 cgg 183

<210> 13534
 <211> 646
 <212> DNA
 <213> Homo sapiens

<400> 13534
 ttgagtcgta ttctgtcaca taatatTTTg aagaaaactt ggctgtcgaa amatTTTTct 60
 ctctgactgc tgcttgaatg ttcttggagg ctgtttctta tgtatgggtt ttttttaatg 120
 wgatcccttc atttgaatat taatggcttt ttccattaaa gaataaaata ttttggacaa 180
 tgccgataaa tgtatgaagt tagtatccac atcataaatt cagagtgatg ttttagcagta 240
 aatcaatatt ttgaagtgat acacagatgt ctttctctcc cacaaacttt tttaaacaaa 300
 aaacaagacc tcttttcttt agatggtgcc acctatgccc accacaacag agattttaca 360
 tggaaccg gctcagtga aactgatttc ctgccaata tttgtctttg ggctgtctct 420

agtgactaat	tattaaggaa	tctagctggt	tatacagttc	aaggctttct	atgttgtaa	480
tgaacctcaa	aatagccgtt	aagacatgaa	atacagcagc	aggttaccaa	tgcgaaacagg	540
tagttcgcat	ttatgtaaaa	cattcagaaa	atgaagtttt	gaatttggtg	gaacattcaa	600
aggacttgag	agcattttat	tgtaacttaa	aaaaataaat	acaact		646

<210> 13535
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 13535						
cactgcyaca	cggtgatggt	taggaggttg	agaggtttgc	ctttagtgtc	cacaggatga	60
aatgtccgag	tcaggccagt	cctcggcggc	cgccacaccc	agcaccacag	gcaccaagtc	120
caacacgccc	acatcctccg	tgccctcggc	cgccgtcaca	cccctcaacg	agagcctgca	180
gcncctgggg	gactatggcg	tgggctccaa	gaacagcaag	cgtgcccggg	agaagcttta	240
gtgtccasrg	gatgaaatgt	ccgagtcagg	mcagtgsctc	ggcggssgcc	acaccagsa	300
scacgggcac	aagtccaaca	cgcmcacatc	nngakngggc	cctcggccgc	cgtcacaccc	360
c						361

<210> 13536
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 13536						
tataaatggt	gagattttgc	actatttttt	aatataaata	tgtcagtgtc	tgcttgatgg	60
aaactttctc	tgtgtctggt	gagactttta	gggagaaatg	tcggaatttc	agagtcgcct	120
gacggcagag	ggtgagcccc	cgtggagtct	gcagagaggc	cttggccagg	agcggcgggc	180
tttcccagag	ggccactgtc	cctgcagagt	ggatgcttct	gcctagtgtc	aggttatcac	240
cacgttatat	attccctacc	gaaragacac	cttttccccc	ctgaccacga	acagccttta	300
aatcrcaagc	aaaataggaa	agttaaccac	ggaggcaccg	agttccaggt	agtg	354

<210> 13537
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 13537						
aataccttaa	ttaatctgac	cagttttcaa	atgtctggag	ccttatcacc	agctgtttct	60
tcctcaagga	atacataacc	accacttaca	agctggctgt	tgamatgaga	gcggtttctt	120
acagtctacc	cggcgttggt	gcacatgcct	actggaggct	gaggtgggag	gatctcttga	180
actgcagggg	cttaaggctg	tagtgagcca	ggatcgcacc	cctgcactcc	agcctagaca	240
atggagcaag	gtggacggat	ctcaaaaaaa	gccacttggg	ctgaatctag	tgagactgca	300
gaatttatgc	cagcctgacc	tgctactgtc	atttcttccc	tnnnmctctg	tttgctggct	360
acacannknc	cctggtgcga	gtgtggcagg	tgaccattgg	cacacgctag		410

<210> 13538
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 13538						
gcctttccgg	agcgcggggc	ccgatggcgg	gaatttcgcc	tgtwtgcggg	ttagacccca	60
aagattcctg	ttggtggtct	gggtcacagg	aggcagggtt	cgggagctgg	aaatgtgagc	120

gggaatctct tcacaccttc tctttggagc ccttaatgat acgacgaacc ccaagtgttt 180
 cagaacatga agtaaacaat ggagaactgt tctgctgcat cgacgttcct gactgacage 240
 ttagagctgg agctggggac ggaatggtgc aaacctcctt acttttcttg tgctgttgac 300
 aacagaggag gaggaaca tttttctgga gaatcctacc tctgcagcgg c 351

<210> 13539
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 13539
 gcttctcttg ttgtccattg gtctagagcc atccttcgag accagagcca gaccatgagc 60
 gagccaaatg tgcattgagga cagcatgaat tctccttggg gaccaggggg ccctgttcat 120
 ccagacattg tctttctttt taaagaagct aaatgcctct ttttccctct ttcttcttgc 180
 atgacctctg ggagcttggg c 201

<210> 13540
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 13540
 aggcaggctc caccacacc ctatgcagtg actctctgca atcttttaaa tgtgctgggtg 60
 gtttcacaca aggtatccaa tctgccccga atgccccca gtttgtatgt cattttcttt 120
 tcttataaac cattctgtct tttttctctc ccccccaac actctgtata tacatatacc 180
 tatattgtac acatgtatgc atatgtatac atgcatagat gtaatcacac cttttaagct 240
 atatttttcc ctttttttct tagctcacc tttcttcttt cttcccc 287

<210> 13541
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 13541
 ggaaatgtgg cactgggggtt atgtgggttca ggcttcagcc ttctgtgctc acttcttggg 60
 ttgtaaggag aaggatgttc aggccattat ttctggcata gggatattcc ttctctctga 120
 actgggtgag cctgggcaag acaagttgat tcttgggaaa agagtaattc tctttttact 180
 aaacgtgatt tttaaataaa aaatacgacg taaganaraa taagtcttag ttaaaacaca 240
 cacaca 246

<210> 13542
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 13542
 aataattacc tgtcaggaga aatactgtga ttatggaggt gggttttccc tgtgtgtggc 60
 ttattcgttg cactttgtgc tgatccctac gatttcccca aatgtgggta actacagtgt 120
 ataatttgtg gta 133

<210> 13543
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 13543

aaattgacat	aagtgcctttt	acaagcacca	aagttgaatg	aattttcaac	aaaatgtaat	60
taaagtctat	gttttcagtt	atgactcagg	ttaagaaatg	tgtttttagga	tctacttgct	120
ggtttttctt	tttgatccaa	atgtgtgatc	tgccctgata	aataacaagt	tatagtacca	180
tctccccgcg	caataaaaaa	gagaagaaaa	aagagaaaacc	cgtggcacta	tgtaaataaa	240
gtaagcatat	tttgttggtt	gtaaatagat	gag			273

<210> 13544

<211> 178

<212> DNA

<213> Homo sapiens

<400> 13544

aagaaggaga	aagaatcacc	aaaagcaggg	aagagtggaa	aaagttcaaa	agaaggacaa	60
gacacagtag	aatcagagca	aattttccgtc	agaaaaacag	ccttggtgct	gtcccgtcta	120
cagtatctgc	taaaataaaa	gtaccagtct	ctcagcccat	agtgaagaaa	gacaaacg	178

<210> 13545

<211> 387

<212> DNA

<213> Homo sapiens

<400> 13545

gcacaggtaa	ggccgggggtg	gggggtgggtc	gcgacggggg	ctctgggcag	cctgggamct	60
gccattggga	ttagtccgct	ccactcactg	tcagcattaa	gtgggggtgc	ccaagacggg	120
gtggatgggg	ggcgccctcc	agacctctga	ccacggcctc	accgccactc	gacccaacta	180
tgaagagcgc	ccccagctgc	acgccaggac	acgacctttc	cttcccctag	aaaccagtaa	240
aggccgctgc	cctattcaag	atgaaatgtg	tggaccgccc	ccagcccagt	tgaaatttcc	300
cgtgaaagtc	tctcgccctt	tccccacagc	tccacttcag	tggactggag	ggcgagggcc	360
tttgttctga	ctgcttctgt	ctgcctg				387

<210> 13546

<211> 165

<212> DNA

<213> Homo sapiens

<400> 13546

cttgcatctk	acgtttattg	ttctgaacaa	gaaattttctt	acctttcaga	aaaattgcaa	60
atgtgttttg	tttcatcata	atcttataaa	tttaccatgt	tagtagtgct	cactatcttc	120
ctttatcttt	tctctatgca	catataatat	tttccagata	taact		165

<210> 13547

<211> 271

<212> DNA

<213> Homo sapiens

<400> 13547

caattgggag	gtcaagtttg	gttccaaccc	tgcttttctc	actaattacc	tgcatgggtg	60
tggggaagcc	agttagccta	tctttgcctc	agtttccctc	cctgtaaagt	gggggtgaca	120
gaggattctc	agagmathtt	tttttttaag	attgtgagat	aagggtgtaa	accataaca	180
cagggtctgg	cacgcagaac	tttattaaat	gttagcagaa	gcagccgtca	agctccctta	240
gggaagcatg	agattagcga	gcccagagct	g			271

<210> 13548
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 13548
 cttttgactc aatttcactt caattgatac atgcagaaat gttcaaaaag ttccttttct 60
 aatctgacat caamtatcta gtttgtaatc acttacctgg gtctgccatg caatgaacca 120
 accatctact attgagtctt ggggttcaga atgccattat cgcagtgaac atctactggg 180
 gactgactgt gcccaattatt atgctgtgta tatatcattt aaccctcata cctggcacct 240
 tcaactctac accctgagtc ccagccacct tcctctctca ccttcattat aggcagaatc 300
 agttacctgg tccctctgcc ttcamctctg c 331

<210> 13549
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 13549
 tgttcagggtg tagtatatcc ttgttgattg tgtgccact tgtatcaatt gtgggggaga 60
 ggggattgaa atctgctgca gttgtgggtc tgtttctctt tgcaatttta ccactttttg 120
 ctttatgtgt tatgttagat acataaatgt tcaaggttat tacgtctctg tgattaatta 180
 accactttgt aaaatgg 197

<210> 13550
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 13550
 gtctcttgct gggttcttct cctcctctgc tcaactatga aatggttgaa gttatcatag 60
 cccaactctc catctacaat ctttgcttag ataatatcgt atagtccaag actagggttc 120
 atctataaat tcataactgc caagtttatt tcttcacct gaactatacc cc 172

<210> 13551
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 13551
 agagctataa tctccgarag gaagatttgt aatgcactgc gagttagaaa tgtttttctc 60
 actgcagctt ccttgtttca aaaagagaat ttttgacagc actgcaaagg cacaagaaac 120
 caggcacagt ataaaatata caaatraaac aggtaccaag gaacttaaaa cattcaaccc 180
 at 182

<210> 13552
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 13552
 aacgactttt gttagtgaat gcatttgaca tttcaattgg tgtcctgggt aatattgaag 60
 tgaaattaac actttatgga tagcagagtc ctgtgttaag attttggaat aataatatta 120
 atatttctgt ttttgtaatg gaact 145

<210> 13553
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 13553
 tgttcgatat ttccagttaa ccacggaaat taacaggtag acttactatt ttgcattcct 60
 ctgttcccgg agcactgcat aacagaaatc tgtatttatt tktwattgg ttagtcaatt 120
 aaacttgccct g 131

<210> 13554
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 13554
 gagtgtaacg cgtggcagcc tgagggaggg gcgtgcgccg agagggagct cagatcgagc 60
 ggggcgcggg tggagaagct gcggcagcgc ggcccgtagg aagggtgctgt ccgaacgatc 120
 gggataggag cgggtccctgc gcttgctgct gggaagtggg acaatcatgt ttgaaattaa 180
 gaagatctgt tgcacgggtg caggctatgt tggaggaccc acatgtagtg tcattgctca 240
 tatgtgtcct gaaatcaggg ta 262

<210> 13555
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 13555
 agtgtcaagt ttctgctgac ctcttcagct attctgggtg tcattttttt ttctggcatc 60
 aataagcatt ttttcccttt ggataaatat caagtttwtc ctgattctca attcacattg 120
 gcttgcaaat tcagatgaca ctgaagacca aattactgcc tgtgggacaa tggactttgt 180
 ttagttgcta atagg 195

<210> 13556
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 13556
 ttacctttac ggaggtccag agatttaaatt tacttgacta gtccctcagc gagtcaggag 60
 aagaggggtt aaaacctgat tcctccagtt atatagtcatt ttaatgttct tggacttacc 120
 agtacttttg agtttttgtg ttttttttt 149

<210> 13557
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 13557
 gcctcttttc cgcctcacc tttgggagta ggggtgtgct gctggcttgt cccgcccctg 60
 cccctgagtg acagaaccgt ggacagcaac atttcccaca ggacacgaag tttgtcggcc 120
 cttgccttgg cagagctgag caggcatatt ggagatcaaa gatgggtaga aaagatgctg 180
 ctactataaa acttctgtt gatcagtaca gaaaacaaat tgcaaattga agatgtccgt 240

cagtatcctc	ttcctgaaaa	agtaaacagg	attataaaaa	aactaaacct	atthttacgag	300
caaccaaatt	aaaagcagaa	gcaaagaaaa	cagcaatagg	cataaaagtg	gccttggtact	360
tgcagctata	ttggcactac	tactggcctt	ctatgctttc	wnwtatctca	gactcaccac	420
ggat						424

<210> 13558
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 13558						
gcctcttttc	cgcctcaccc	tttgggagta	ggggtgtgcg	gctggcttgt	cccgccccctg	60
cccctgagtg	acagaaccgt	ggacagcaac	atttcccaca	ggacacgaag	tttgtcggcc	120
cttgcccttg	cagagctgag	caggcatttt	ggagatcaaa	gatgggtaga	aaagatgctg	180
ctactataaa	acttctgtt	gatcagtaca	gaaaacaaat	tgcaaattga	agatgtccgt	240
cagtatcctc	ttcctgaaaa	agtaaacagg	attataaaaa	aactaaacct	atthttacgag	300
caaccaaatt	aaaagcagaa	gcaaagaaaa	cagcaatagg	cataaaggaa	gttggccttg	360
tacttgcagc	tatattggca	ctactactgg	ctttctatgc	tttcwnwtat	ctcagactca	420
ccacggat						428

<210> 13559
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 13559						
catatgccct	tggttttctt	tggtgtcaag	tctctgggag	attgagggta	catattattt	60
ccttctgctt	tgtgtgccct	tgactggga	cttggggagg	ggagtaagaa	gtattgtgtt	120
aaaatgttaa	tccctttcat	tggttgccca	gttgtgagta	ctagccctct	cagactgttg	180
gcatttggtg	tgcagggatt	agcattttat	gttctcaagt	atgctggtgt	gatgcttatt	240
gtctattatt	tggtccaaatt	agtcactaaa	g			271

<210> 13560
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 13560						
catatatttc	ataaattatc	tgggtcccat	gtggagagtg	gacaaaggga	gaggactgca	60
agcaaggtgc	cctgtgagga	ggcctgcaca	aaagtgaaga	ggcctgagct	gaagtgagaa	120
ggtctgcgtg	aaagtgattt	gtgtgaaaga	tggtggtgta	tccaactaga	gcaggagcag	180
tggg						184

<210> 13561
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 13561						
agttatgcat	cgtgagcgtt	acgctgtgac	cggtgggtatg	tgtgcaacag	agagaaatta	60
tgcgaatcac	tccaggctgt	ctttgttcag	agttaccttg	atcaaggaaac	acagatcttc	120
ttaaacaaca	gcattgagaa	atnccgggctg	gctattttatc	caattatatc	attcttttgt	180
gtcatctgtt	tttagcctgt	ttatgtctag	aacatctatc	aatgggttgc	taggaagagg	240
ctcaatgttt	gtgttcacca	gatcagtttc	agagactgct	taaaattaat	ccagactgga	300

aaaccacag acttcttgat ttaggtgctg gagatggaga agtcacaaaa atcatga 357

<210> 13562

<211> 577

<212> DNA

<213> Homo sapiens

<400> 13562

ttttgtaatg	tcttttagtat	ttctttataa	ctagtgttaa	ggttttgtta	atttttattgt	60
atacatttgt	aacattttatt	aggagccttt	taggttccaa	aacaaacaaa	aggcataaaa	120
aagtctagct	tagaaccact	tttcacttgc	tttcattttt	aattttattc	acttaacagc	180
taacatcttt	cttggttctt	gttttttcca	ttatatgggt	atcgattcaa	ctcttgctat	240
attccttaaa	tttgatgta	tcatacaga	aaagagatga	acaatttagt	gtagatattt	300
tattctggag	aataatattc	aattaaatta	tttctacagc	aggccagtaa	caactagatt	360
attwgtcctt	kkctcagtar	trrttttaaa	gagcattttg	twnwattgtc	acaatttggt	420
accactagks	ccaggtaacc	attgggccaa	aggatcagtt	gagaaacagk	kaaggatgaa	480
ttagcataag	ttatggaacw	ktgttagaaa	acaactcaaa	agtatattct	ttattaatga	540
ggtggtcatt	attacatttg	tgtcaatgaa	gggcagt			577

<210> 13563

<211> 269

<212> DNA

<213> Homo sapiens

<400> 13563

gtctgtgata	gatatgaatt	aagaatcacc	taaattattt	ttcagtcatt	ttctctgttt	60
taacacaatc	ttctttggca	ctccttcttt	aaagaaaaaa	aaattgctgt	tttgaagtac	120
cttgcatctg	tttcagctgt	cacttggtatg	atcacattca	tgagatctct	aggaactcca	180
tctgttatgt	gtgtgacaca	tatagttgag	gtatgctgcc	aggatttagt	gaaggcctaa	240
ctaaatgtgg	tttctcaaaa	ttgacagga				269

<210> 13564

<211> 242

<212> DNA

<213> Homo sapiens

<400> 13564

gaccaggag	tctgaggaca	acgaggagca	tgagatggag	gaggacgagg	ctgattccga	60
ttatctggag	gagctggaag	acgacgacga	cgccagttac	tgcacagaaa	gcagcttcag	120
gagccatagt	acctacagca	gcaactccaga	tgcaaataat	acggcactcc	gaacagacac	180
taaaaacagc	tctcatctca	aagaacccag	tgcttgtatc	acagtatgag	aaattagatg	240
ct						242

<210> 13565

<211> 293

<212> DNA

<213> Homo sapiens

<400> 13565

agagcgggcc	gacggcattt	tgtgaagcgg	cgaaggaggt	ggtggctgcg	ttgggctccg	60
ggaagccgtt	cgggctgggg	ctgtcgggcg	cggggcggag	gcactcgcg	ggggggtaat	120
tcggggtctg	ggttctgggtg	ccgcgcastt	tccccgtcta	aaagttgggt	ttaattgggt	180
gccacagga	ttgacttgac	ctctacttct	tgtaaaggaa	attcatctct	tgttttatca	240
ggtgtgtgtg	gtttcagcgc	asatggctgt	ggtcatccgt	ttgcaaggtc	tcc	293

<210> 13566
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 13566
 gattttttcgc atggctgtgc tccggctgac attgagatga acttaccatc cgctcttcag 60
 aggccgctga aattccaaga atacgagaag tgcattgagc gattaaggag agaaagggaa 120
 attctatttg tggtggggaa tggggagggtg gcttttaact ttaatgtttt gattaaggat 180
 ttttgattac tcacaggctt tctttgtagc ctaaaccagc gg 222

<210> 13567
 <211> 719
 <212> DNA
 <213> Homo sapiens

<400> 13567
 gttagttcac tgcaaaccac tagccagtat cttatcagga atgtggaaac cactgtagat 60
 gaagatgttt tacctggcaa gttacctgaa actcctctca gagcagagcc gccatcttca 120
 tataaggtaa atcaagtatt tgggtgtatc ataagcattc atgggttaaga tgaagaaaat 180
 cgaccctagc atttaaaatg gagtggaaat cctgaagaat ggaactgtag agcattgggtg 240
 ataattggact catcttggtc ttaattgtat atttttagta ttcctatttt nctcttcgag 300
 ctttgtttaa taatattgta gtcagatcat gattatcaag gtgctggatt tcatttggtt 360
 ggaattataa attccacagt tatttctcat atccagattt ctgtgtttat tctgtaccg 420
 ctacctcgca tacacacata tgcattgtgc cccaggatct ttgcccagtg attcagctca 480
 ggtggttgag aatatacttc cttagagtcag cctgcccagg cttgaaacct ggttctgccg 540
 ctgactagtt gtgtgatctt gaacaaattt tttctttttc tttagatgg agtctcactc 600
 tgtcacttag gctggagtc agtggtgtga tctcggtta ctctccacc tctgggttc 660
 aagtgattct cccacctcag cctcctgagt agctgggatt acaggcacac gctaccacg 719

<210> 13568
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 13568
 tactcattgc tttgtgctta tttgtatttg tgagttacat tctctaccag attttaaatt 60
 ccttgagggg aggtacatat gttgttca 88

<210> 13569
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 13569
 gatttttttaa aaatgtgttt atatataaga tttgaaataa aaactttaat acaggctaga 60
 ataaggaatt ttacaaattc tcttttagagc aaccaacatt aaagttttag agttgaattt 120
 tgctctattt caactccctt acctctctag ttttcagttt atattaagtt ttaataactt 180
 tgcgggggcc tg 192

<210> 13570
 <211> 475
 <212> DNA

<213> Homo sapiens

<400> 13570

actaaagatt	ttgactcaca	agagaggggc	tggctctggag	gtgggaggag	ggagtgcga	60
gtcaaggagg	agacaggac	gcaggagggt	gcaaggaagt	gtcttaactg	agacgggggt	120
aaggcaagag	agggtggagg	aaattctgca	ggagacaggc	ttcctccagg	gtctggagaa	180
cccagaggca	gctcctcctg	agtgctggga	aggactctgg	gcctcttcag	cccttcttac	240
tctytgaagc	tcaagccaga	aattcaggct	gcttgacag	tgggtgacag	agccacggag	300
ctgggtgtccc	tgggaccctc	tgcccgtctt	ctctccactc	cccagcatgg	aggaagggtg	360
tgattttgac	aactactatg	gggcagacaa	ccagtctgag	tgtgagtaca	cagactggaa	420
acctcggggg	cctcatccct	gccatctaca	tgttggtctt	cctcctgggc	acacg	475

<210> 13571

<211> 136

<212> DNA

<213> Homo sapiens

<400> 13571

agcagcttgc	atgtttctct	aagatcaagc	ccagcctcct	ggagctgtag	cttaatcatg	60
ggttcaatga	ctttacagaa	aaatggatag	aaaaattctt	caactccttt	ctttggaccc	120
agatgggtttt	ttttgg					136

<210> 13572

<211> 408

<212> DNA

<213> Homo sapiens

<400> 13572

atttctatac	gagctgatat	gaagtaacgt	ttgtcagtag	agggcgctgg	ggagacacta	60
tcagaagaag	gggcatttct	ttgggggtct	tgtgcttttc	ttcttgctcc	tgtgtttctt	120
cttgctccta	tgggtgcacac	cttttggtga	gttttactgg	caccccagca	agttgcttcc	180
agagagtttc	accagcattc	tagtgggaat	gaagcacctc	ggtgaaattc	ttcaccatcc	240
agtggggccat	ggcacatctc	gaatgcagcc	tgaatctcat	cttcacaggg	tgtcctcttt	300
caagtgagtt	ccttccttga	gtactcknct	cagctttgaa	gatagtagtt	gctctctaca	360
cctgctattc	caatgttctt	tagagatctc	cttacccttc	ttagtagt		408

<210> 13573

<211> 384

<212> DNA

<213> Homo sapiens

<400> 13573

cttcttccga	cagcttgctg	ccctagacca	gagttggtgg	ctggacctcc	tgcgacttcc	60
gagttgogat	gctgtacttc	tctttgtttt	gggcggctcg	gatactatgg	gggagcagag	120
gtggtggatg	aaattgagct	gctgtgccag	cgccgggccc	tggaaacctt	tgacctggat	180
cctgcacagt	ggggagtcaa	tgtccagccc	tactccgggt	ccccagccaa	cctggccgctc	240
tacacagccc	ttctgcaacc	tcacgaccgg	atcatggggc	tggacctgcc	cgatgggggc	300
catctcacc	acggctacat	gtctgacgtc	aagcggatat	cagccacgtc	catcttcttc	360
gagtctatgc	cctataagct	ccaa				384

<210> 13574

<211> 366

<212> DNA

<213> Homo sapiens

<400> 13574
 gtggcgagc gcaagggac gcggtgcgca tgcgcgtgag ggctgccgcg gccaggccca 60
 gacatgtccg tccttgtaag ttaaaagctt ccatgggagc cttccttcct aatcaagakg 120
 caaataatac ggcactccga acagacacta aaaacagctc tcatctcaaa gaacccagtg 180
 cttgtatcac agtatgagaa attaaatgct ggggaacaac gtttaatgaa tgaagccttc 240
 cagccagcca gtgatctctt tggacccatt accttgcatc ctccatcaga ttggatcacc 300
 tcccaccctg aggtcccca agactttgaa cagttcttca gtgatcctta cagaaagaca 360
 cctctt 366

<210> 13575
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 13575
 caatgcaagg aaaggaaata accccagcga ggtactcttc agggacacag gtctagtacg 60
 agagaactct tgacggctac taagttcagc cagtcttaaa aaactgtgct gtttctacaa 120
 aactttaact accrgtwagt ttataaggat gccaacgaaa gctgaggggtg tagagcaaaa 180
 tagttctaag cttcagttaa acttcttttag gtaagatctt atttactttt ctttctttaa 240
 ttttctccc taaaagataa actaatactc ttaaatggctc tttcagtata gtggttctta 300
 cgtagtttaa catagctata aattgagttt aacaatttat aaactcaaga gaataatttt 360
 tataaacctt gttttccaat ctgtcattta cttaaaatna ttttggttgt ttttcccttt 420
 ttttctttct tttccaccc c 441

<210> 13576
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 13576
 tacagggtgt acctactgtg cttttatttc aagggttttg tgtgacttta gatattcaca 60
 agtttctctc ctgttaattt tctggttgta aattgatgag atatctgcct ggctacttca 120
 tgatattgaa tgataatcaa gtaaaataat ttaattaagg ctgggggcca tggctcacgc 180
 ctgtattcca gcgctttggg aggtgagga gggcagatca cctgaggtca ggagtttgag 240
 accaacttgg ccaacatggt aaaaccccat ctgcactaaa aacacaa 287

<210> 13577
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 13577
 aagcaactcg tggtcttcct tcagacctca aattgcagaa gacctcttag ggaggaaccg 60
 tcctcacttg ttccgtacta aggttagatc tggtgctttt gccacattta ctatttaatg 120
 tttgtaagg gatgatttgt ctaagaattt gatgag 156

<210> 13578
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 13578
 agtctgcaga agtgagctga gcgtgtgcgc ggtacggggc tctcctgcct tctgggctcc 60

aacgcagctc	tgtggctgaa	ctgggtgctc	atcacgggaa	ctgctgggst	atggaataca	120
gatgtggcag	ctcaggtagc	cccaaattgc	ctggaagaat	acatcatgtt	tttcgataag	180
aagaaattgt	aggatccagt	ttttttttta	accgccccga	cggctggaaa	cccaaataac	240
tgtaaaagta	cttttcctta	gacaaccaca	gtacttcaat	atataacaga	agtgtttttt	300
gagtacttcc	catttttatca	cacaaaatat	tcaaaagcca	aktactaaaa	ggtcaagaty	360
maataaaatt	aatttyttact	gcttcatcaa	gaacattctt	aaatgaaact	ttttt	415

<210> 13579
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 13579	
catggatgct	ggagtggagc
acgatgacgt	agcagagctg
ctgcaggagc	tacaaagcct
ggcccgagtgc	tamcagggtg
gtgacagcct	cgtggactaa
agttcccagt	gtgggagaaa
ggagctagtt	tgcaataaaa
acagctggat	gcaggagccc
agtgtcttca	tgagaggag
ctcaatgtcg	cgggactagc
tacaccaaca	tatgcacttt
ttacatttag	aaacactgtg
attagaccac	agaacaataa
atatg	

<210> 13580
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 13580	
gcctggggcgg	cgcagacgag
gcctgaggcg	gcrgcgcgag
gcagtatggt	ttgaagtgg
gaacatggat	ttttctcggc
ttcacatgta	cagtcctccc
cagtgtgtgc	cggagaacac
gggctacacg	tatgcgctca
gttccagcta	ttcttcagat
gctctggatt	ttgagacgga
gcacaaattg	gacctgtat
ttgattctcc	acggatgtcc
cgccgtagtt	tgcgctggc
cacgacagca	tgaccskgg
gggatgggtga	ggctgtgggt
gccgacagcg	gcaccagcag
cgtgtctcc	ctgaagaacc
gagcggccag	gtgagcaccg
ctgcacttcc	tctccatctg
atctctaaca	cc

<210> 13581
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 13581	
aactttttcag	cggcaggcga
asggggctga	ggaaaggagt
gggtctaggc	aggggaaatt
ggggtgccac	cagacggaga
cagcttggac	taccagaatc
aagcactctt	ttggaagagg
gtaatctctc	tccaaaaaact
gaga	

<210> 13582
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 13582	
aattcctccc	agcgcacgcc
gccgccccggg	ccgcgctatt
ccgaaattgg	gtccgcctta
gcgtggcccc	cggcctgctc
ctgcgctctt	cgcgag

<210> 13583
 <211> 178

<212> DNA

<213> Homo sapiens

<400> 13583

tttcaccatg	ttggccaggc	tgggtctcaa	ctcctgacct	caagtgatcc	acttacttca	60
gcctcccaaa	gtgctgggat	tacaggcatg	agccaccgtg	cccagctggg	caataaagat	120
taacgggcga	ttttactcct	tatttgtagg	gtaaattggg	tctgttagca	ggagccgg	178

<210> 13584

<211> 272

<212> DNA

<213> Homo sapiens

<400> 13584

tttttcctgt	actrtttgtg	tgtggattgc	attcatcatg	ctcctctacc	ccataatact	60
tttgtatttc	ctaagaacaa	agataggtag	atggccttag	ttggtattcg	tattatagca	120
gtggcatcca	agcgctctg	cctttgtgta	tgtgtgaaat	tgtcctgaag	aatgcatttc	180
tgggtgtattg	acaggcctga	gacaccccaa	cacaccttca	cagtccctgga	gctagctttc	240
tccatcttgg	ccccaggtat	ctaagaaagt	cc			272

<210> 13585

<211> 317

<212> DNA

<213> Homo sapiens

<400> 13585

aatacaaatt	gttacagttt	atgcaggcca	taaattattt	tttacttttt	ggcaaattgt	60
tacaatttat	ggggtctaca	atattatttt	ttattttctg	gcttaagtta	tctaggattt	120
gtttctgtgg	tttacagtca	aagaacccaa	agaccagatc	actcttgact	accataaaaa	180
tgattaatta	taaagggatc	tacctgcctc	ggcctcccaa	aatgctggga	ttacagacgt	240
gggccaccgc	accagccta	gatgtttatt	tccgattggt	accttatcta	ctctgatcaa	300
aacagtctca	ccagcac					317

<210> 13586

<211> 127

<212> DNA

<213> Homo sapiens

<400> 13586

agaggagagc	agaagtggcg	ttggtctggc	cggagccctt	gggtgaaatt	gttaggcgtg	60
gagagggagt	gatgtcttcc	agactcgggtg	ctgtaccgcg	cacttcggga	cccacaacct	120
ttaagca						127

<210> 13587

<211> 164

<212> DNA

<213> Homo sapiens

<400> 13587

cctgtggggg	tagaacatat	cacattgcaa	caccctaaat	tgtttttaat	acattagcaa	60
tctattgggt	caactgacat	ccattgtata	tactagtctc	tttcatgcta	tttttatttt	120
gttttttgw	tttttatcaa	atgcaggggc	cctttctgat	ctca		164

<210> 13588

<211> 380
 <212> DNA
 <213> Homo sapiens

<400> 13588
 tcttttttctt aatagtagacag cagacttttag cttcaagttt cataggctta gtactttatat 60
 ctagacattt gtgtctaaat aagcttttca ttaacttttt attttaagga cagtatcttt 120
 tcatgaaaga gtatttggtt gaatgtttgc tatatatatg ttacttgaaa tgttaaattt 180
 aatatgcagc ataccatagg tgtatatata ggtatataat ttttaaggta aaatattcag 240
 tctacaagtt tgggttcttat ttaagctttt gggctaatac tgcatatggc acaatgttta 300
 atattggcaa gttcatctca gagaaagggg attcagatat aattttaamg tngagataat 360
 ttactgaagc gtctctgrca 380

<210> 13589
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 13589
 acaaccctga atccagaatc tctgttttagt gggccaacat taataaattt agcctactcc 60
 aacttttgtt tacttccacc atgggtgccac acacttaata tccattccca catatattct 120
 ccagatttct ttctgtataa attgtgtgtg tgtgtgtgtg tgtgtgtgtg tagaaagaga 180
 gc 182

<210> 13590
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 13590
 gcttttgcct ggggttctca ggaggggaga gttgggagag gctttgctgc tgaggaaatt 60
 tatttggttag attgaaggtt tgaacgagag ctacagaaac gaaagaaaaa gtctgtataa 120
 gccaatggtg ttcggaaga aaataacccc attgccttga gtttgtaggt gccactacta 180
 ctctggaaaa atggcagatg acgaagacta tgaggaggtg gtggagtact acacagaaga 240
 agtggtttac gaagaggt 258

<210> 13591
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 13591
 ttcaggagtt cgagaccagt ctggccaaca tggtgaaacc tcgtctctac taaaaatacc 60
 aaaattatcc ggtgtggtga caggctgctt gtaatcccag ctactcgga ggctgaggca 120
 cgggaatctc ttgaacctgg gaggcagaga ttgcaataag ccaagatcat gccactgcat 180
 gccagcctgg gtgacagcac aagactgtct caaaaaaaaaa caaaaaaagg aaaaagaaaa 240
 ctagccccag tccctgtcta aattgttata gtttttgact attatctgaa ttagtcttat 300
 ccaaatttca tatgcagatt gatttttcat tttgtatgta tattacatga tatactattt 360
 tcatagaata tattttctaatt ttacaaacac tgaattatta gcttgat 407

<210> 13592
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 13592
 tttgtttttc tgagttggtg gggagggagg gagggggagg gctgaattgt tttgcagagg 60
 aagatggcat ctgtgcttta aatttctcat tactgggtta gaaaacaaag g 111

<210> 13593
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 13593
 aaatgtatgc atttagtgct ataaatttcc cttcagcatt gccttagcta tgttccatat 60
 atttgcatac atttagtatt cttttttcat tcagttcaat gtattttttt attttccttg 120
 agacttcctg tttggctctt aggtagtgtg aatttctggt tattcctg 168

<210> 13594
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 13594
 aggagggctg gcagctggca gcctcccggt tccagggaa actatacctg agtgaagtgg 60
 agacaccgaa cgctcggggc cagagggctg ctcgggcacc gctcctccgg gagcttatgt 120
 acatgggata caaatttgag cagtacatgt gtgcagccgc ctgggaagcc accctctgct 180
 cttctcaggg gaggtagact gcacagaccc ccaagcccca tccacacagc cccaacctg 240
 ctatgtggag ctcaagacct ccaaggagat gcacagccct ggccaatgga ggagtttcta 300
 cagaccttcc ctaccatgaa gatgtttgaa tatgtcagga atgaccgtga cggctggaat 360
 cctctgtgtg catgaacttc t 381

<210> 13595
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 13595
 cttgatattt ttgcattagt taagacagaa atttgatagc tcggtttagag gggaggggaa 60
 atctgctgct agaaatgtct gaactaagtg ccatactcgt ctgggtaaga tttgggaaac 120
 ataacctctg tacataawar aaaaaarrtc rgttaaacat cacatagta 169

<210> 13596
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 13596
 acattttgaa agcaaaaaat atatatttga tatacccttc aattgccaaa tttgatatgt 60
 tgcactgaag acagaccctg tcatatattt aatggcttca agcaggtact tctctgtgca 120
 ttatagaata gatttttaata atcttatagc attgtatatt attattgctg ttgtcactgt 180
 tattattatt gtggatactg g 201

<210> 13597
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 13597

agcttcsask	cggtctgcggg	ctggagcggc	ggcgwgcagg	cgctgcggagg	acactcctgc	60
gaccaggtac	tggctgtgat	cgaacttctc	aaccctcaga	gacttagatc	ttccacctca	120
ctccctcagc	caagcctcca	ggccccctcg	tgcattccgtg	gtggcctctc	tgccttctct	180
gttctgttct	ccccatggcc	crgacatgag	tggcccccta	gaaaggggct	gatgggggag	240
gggacccag	gcctggggaa	tcattttgtc	ctggggggcg	cccatcccct	gggccccac	300
aagcacgc						308

<210> 13598

<211> 278

<212> DNA

<213> Homo sapiens

<400> 13598

ctagaasaaa	tttggagtgt	gcgtgcgcgc	cgagcggtag	tggctgtgat	cgaactkctc	60
aaccctcaga	gacttagatc	ttccacctca	ctccctcagc	caagcctcca	ggccccctcg	120
tgcattccgtg	gtggcctctc	tgccttctct	gttctgttct	ccccatggcc	crgacatgag	180
tggcccccta	gaaaggggct	gatgggggag	gggacccag	gcctggggaa	tcattttgtc	240
ctggggggcg	cccatcccct	gggccccac	aagcacgc			278

<210> 13599

<211> 257

<212> DNA

<213> Homo sapiens

<400> 13599

actgatcggg	gaggcgcggc	cgaggggtcg	gctttcctcg	cgagcctgcg	gctgggcttc	60
ttctcagagg	aacgaggcgg	tctcctcaca	ttactcaggc	attctgctcc	atttctcttc	120
ttcagttatg	ttacagaagc	aagggtattg	cttctacatg	ggcaaatttg	tctatgccct	180
gaaagaaacc	aagagtgaag	ctcaactggg	aaagcatcag	tttacttta	ttgtcactag	240
cttcccaatt	ttgccgg					257

<210> 13600

<211> 204

<212> DNA

<213> Homo sapiens

<400> 13600

actttcaatt	ctagatcagg	aactgaggac	atatctaaat	tttctagttt	tatagaaggc	60
ttttatccac	agaatcaag	atcttccctc	tctgagcagg	aatcctttgt	gcattgaaga	120
cttttagattc	ctctctgcgg	tagacgtgca	cttataagta	tttgatgggg	tggattcgtg	180
gtcggagggtc	tcgacacagc	tggg				204

<210> 13601

<211> 87

<212> DNA

<213> Homo sapiens

<400> 13601

aagaggaaag	gaaaaaatct	tgttgctcta	tagctaactt	taacttcaat	tcttaaattt	60
tctgtttaca	ttgtagcaga	ggttggc				87

<210> 13602

<211> 168
 <212> DNA
 <213> Homo sapiens

<400> 13602
 ctcaatattc tagttattct tgtttctcaa tactgcatat aatactacta tgaatgtttt 60
 tgcatagaaa ttttttctat attcttctta ggatagattc ttagaaacat ttttaagtct 120
 ctgaaatgag agaactttcc aaaagatttg caccaatttt cattccca 168

<210> 13603
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 13603
 attagagtat aatcatgtgt ggtaggaaga tggactagtt aatcaagatt tgttgtcact 60
 taaatttttt gtgatttttt tccaag 86

<210> 13604
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 13604
 gttgttttgg gggattaaat ataactgtaa acagttttaca tgtttgattt ttgagaacag 60
 aatggcttca tctttcttta ctctgcaaac atgccttccc ttcccagctc ccagccttca 120
 tgttatttgt gtcgatccac atccaacttt ctttaacggg aatgtggcta agccaaattt 180
 tttttgtgct cccatactca tgcacttatg cccaagattt atataacaac ataccatgt 240
 ttatatgtgt ttgtataaaa taagtctcat aaaagtcctc aagagaggaa cctatttttk 300
 atctgaaacc atggctcaaa aaccatgcat ttaacctatg ctgtgctgcc tttcaaagcg 360
 tgatgaagaa aacaacatcg ggtaattgct gacgttatgg acaccaggaa ttaaaaatat 420
 taccctagct tctgtctggc tgagaaaagt gaagaagaac agtgggcata taaactgttg 480
 tankkcacta aaatgtttat tccgccttcc caattcattt gtggaaatcc taa 533

<210> 13605
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 13605
 gtaacttccg gttgctgtgc tgagtcggaa gtgggaaccc ttcgcccgct gagattctgt 60
 ygtgtcgtcg ctgctggcac ttcaggctct gcctctccca ctaggctctgg atggaggata 120
 ccttaaagtg aaatgacaga ccaggagaat aacaacaaca tctcaagtaa cccctttgct 180
 gctctttttg gctccctggc tgatgccaaa cagtttgctg caatccaaaa agagcagctg 240
 aagcaacaat ctgatgaact cccagctagc cc 272

<210> 13606
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 13606
 ctccaaggcg ctctttttgga ggagggactt ctctttcggg aaccagctcc cttgcggata 60
 gtctatgttc tccatataaa cccagcactt cccttaattg agatactgg gacttcactc 120

004229"666T550

cgccccagc	ccggaaccac	aagtgagggc	actgcgtttc	ctgattgacc	tctttggcga	180
ttacttccgc	ccagrggcct	ggaatactgg	agggccttcg	acggagaaca	acaagaaagg	240
cacttccggt	gtctgttgcc	aggcgcgggc	ccagtgggcg	tagggcgaca	ttgttgccgt	300
cgtctttccc	ccccagtc	cggggatgga	gatgtcggga	ctcagctttt	cagagatgga	360
ggctgccgta	acctacttgg	cctactggac	aacgacgaga	tcatggc		407

<210> 13607
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 13607						
aatatagcct	tgataacaac	acagccacgc	agactgaagg	aggctgaagc	tgccatctgt	60
aaaagatgga	gtctcgctct	gtcgcccagg	ctggagtgca	gtggcgagc	cacggctcac	120
tgcaacctcc	gcctcctggt	tcaagcgatt	ctcgtgcctc	agcctcctga	gtagctggga	180
ttacaggcac	gcataccac	acctggctaa	ttttgtatt	tt		222

<210> 13608
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 13608						
ctaacttcaa	atatgatgat	acaggcaagt	tgaaatgaaa	agggtgggaa	aagatatatc	60
atgcaaacct	tagccaaagg	aaagcaagac	tggctatatt	aatgccagat	atagtatatt	120
tcagaacaaa	taaactaatc	agagacagag	aggagacta	tataatgtgc	aaaggaccaa	180
tccaccaact	cctcgctga	caaattcata	aatgtctacg	caagaacaac	tgaaagtact	240
taacagagaa	ctagacaaat	ccacaaatac	agctgtatgc	ttcaatgtcc	ccctttctca	300
acaatttata	caacaaccag	atagawaatc	agcaagaata	cagaagaacc	caacaacacg	360
atcaaccagc	gggacttaaa	ttggcaattt	tagaacaccc	aaccacacca	gaatacacat	420
tgttatggga	tgcaattgtg	cccagcca				448

<210> 13609
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 13609						
ctggatttca	tatgatttct	acatatcaca	aaatagtctt	attttgattt	ttttcaacca	60
tttcaaaatg	caaattctatt	cttagcttgc	tctctgcaca	aaaacaggca	atggactaga	120
attggctcac	tgaccatagt	catgcctgta	agagttaaag	aaagaagaaa	gaaacatgaa	180
acgtggcttt	gtagtcaaag	acaggttttc	tttacttaaa	acctgagagg	cttcccggct	240
aatttcgggt	aggagcactt	tctcttacag	accca			275

<210> 13610
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 13610						
tttttttccg	gcggctaccg	ggaagtcgct	gaagacagag	cgatggtagt	tctggaggcc	60
tcgctccggg	gccgaccga	ggccacagt	cctccgcggt	agaccggact	tggtgacgg	120
gctccgggct	cccaggggat	ggaaggggtct	aagacgtcca	acaacagcac	catgcagggt	180
agcttcgtgt	gccagcgctg	cagccagc				208

<210> 13611
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 13611
 ctctgggaggga agtktttccgg cggctaccgg gaagtcgctg aagacagagc gatggtagtt 60
 ctggaggcct cgctccgggg cgcacccgag gccacagtgc ctccgcggta gaccggactt 120
 ggggtgacggg ctccggggctc ccgaggtgaa gagcatcggg ggctgaggga tggagggtc 180
 taagacgtcc aacaacagca ccatgcaggt gagcttcgtg tgccagcgt gcagccagcc 240
 cctgaaactg gacacgagtt tcaagatcct ggaccgtgtc accatccagg aactcacagc 300
 tccattactt accacagccc a 321

<210> 13612
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 13612
 tttttttttt ytgtaccgt gactaagatg gaagcgtttt tgggggtcgcg gtccggactt 60
 tgggcggggg gtccggcccc aggacagttt taccgcattc cccaaaaacg cttccatctw 120
 agtnacggta gcaaaa 136

<210> 13613
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 13613
 tgatgtgagt attacaatat atatatgtga cttatagtcg attggttaaca acatttatta 60
 ctttgagtca ccttactttt atttaggtca ctttaccttt ttcattttta aatattgttg 120
 tcttaaatat cagacagtat tatgattttt gttttaatca tcaagtatga tttgtaacac 180
 tgattaataa tgatgcttga ggagaagcat aatttattat atgtagccca aatttctact 240
 ctattattct tccc 254

<210> 13614
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 13614
 tttccgcggc gggtgggggtg gtggggcccc gggcggcggtt gaccatgacc cagcagggcg 60
 cggcgctgca gaactacaac aacgagctgg tcaagtgcac agaggagctg tgccagaagc 120
 gggaggagct gtgccgggca gatccaggag gaggaggacg agaagcagcg gctgcagaat 180
 gagatcctgg agagctccca gactttgctc agcgttctca agagggaagc tgggaacctg 240
 accaaggcta cagccccaga ccagaaaagt agcggcgga gggacagctg accagaccac 300
 aggcagggcc tgcctccgtg tgccccctcag ctcagcccca gcaagtgtgt gctcagagca 360
 tctttgttct tcacg 375

<210> 13615
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 13615
 atgtaataca cttgacttaa aaagacaagc cagcggcaat tataaaataa tgacacctaa 60
 gaatgttttc aagaagtctg gttcataatg cattcaaact taaaaaataa ttaaagacaa 120
 ctaaaaaaat tttgctcatt tttggagcaa aaaaactacc aaagaaggag cagcttgagg 180

<210> 13616
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 13616
 ctcctttctcc cgtccccaag ttccctgggt gggaacgggg tcttggggtc cctggctggg 60
 tggccagacc ccgaagccag cgctgggaag ggctgcggat gcccggtca gaggaagggg 120
 caggccaag gacacgggg tctggctctg ggcaagaacc gccccctctc cgggectgct 180
 tcagtcttcc tttgcagaac aacgggccag gccccctccc tctgcccccg ggtgcttgaa 240
 gtctagcccc atcctggtcc aatgcgctct tggtagcttc ctttcccagc tgcccgcccc 300
 ccgcatgcc gcccttactg cccctgcgcc tgtgcgggt gtggccccgc aaccc 355

<210> 13617
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 13617
 atcttgccgc tgggyggggc ccaggactgc tgctgctgac cgccttgata ggctacaccg 60
 tgaagaatgc gtggaagaac aacgtcttct tctcttggtc ctatttttct gggaggctgg 120
 ccttaccctt ctcaattctc gcgggtaaac tggacagcgg ggaagagggg ggaggagact 180
 gcccagaaga cctcaccacc agaggctccc cagctgccct cccaggaaac cccggggacc 240
 tctcggggac tccccaacac actaacgact cccgcagacc cggcagagac ccccttgag 300
 ccc 303

<210> 13618
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 13618
 ttgggaccag aggccttatg gggaggggaag aactgttctt gactttcagt ttttcgagcg 60
 ggtttcaagg taacaacttt cttattatct agcttcataa ttgcagtaag gaatagcttt 120
 ttttgcttgc agctgagatg actttttcaa gggagaaaaa gggatttcta taacgaagag 180
 agggagagag agatgaagag ggagggagta agggagagag ggaagaaggg agaaagagag 240
 agagatttga atatacattg cttcaaggat gcaaaaaatt acaacctgga 290

<210> 13619
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 13619
 acagagacct ggagcyaggg cagcaagaag gtgtctgttg gagccagcag aacagaacca 60
 atttgaacaa gaacctccag aggaacgacg aaccctgaga acacagctgc tacagaccac 120
 aaacacccca tcagccaaga gagacccttg catccagcct ctaccctgct gaacatctag 180
 atctaaggct cccaatccca tctcatctc tgcccccttc tctcagaagg atggccgaca 240

cccagacaca ggtggccccc acaccaacca tgaggat

277

<210> 13620

<211> 317

<212> DNA

<213> Homo sapiens

<400> 13620

aagcgcaacc	gtcgggtgggt	cggggatcgg	tcgcctgaga	ggtatcacct	cttctgggct	60
caagatggac	aacaagaagc	gcctggccta	cgccatcatc	cagttcctgc	atgaccagct	120
ccggcacggg	gcctctcgtc	cgatgctcag	gagagcttgg	aagtcgccat	ccagtgcctg	180
gagactgctg	ttgggggtgac	ggtagaagac	agtgaccttg	cgctccctca	gactctgccg	240
gagatatttg	aagcggctgc	cacgggcaag	gagatgccgc	aggacctgag	gagccccgcg	300
cgaaccccg	gaggagg					317

<210> 13621

<211> 98

<212> DNA

<213> Homo sapiens

<400> 13621

aactcggtcg	ctctggggga	ttcgtgcgcg	gtaccactga	tgaaattatg	accaggtggg	60
cccaggttag	taccacatat	aacaagagac	ccttgacct			98

<210> 13622

<211> 390

<212> DNA

<213> Homo sapiens

<400> 13622

attctttccc	ctccttcccc	tttcccttcc	cttcccggga	gaggctggga	cccggcacca	60
gggcagtact	gtggccgctg	cggcctcagc	tcgactggg	tcaggttgcg	gagactccag	120
gccgcttcca	gggcgagtac	tcctgattgt	gacatcacat	tcattcccctg	ggcgatggag	180
cttgtcactg	ggaaggaata	ctcagtcgga	gaatagccaa	caagatgggt	tactgggaga	240
atctcttcag	tggcactgag	tgggcatcag	gggggttggag	ccttgtgaac	agggaaacctg	300
ccccccaaca	cttgggaagga	cctgggtttc	agtgatgaga	catgggggtat	gatgtaaccc	360
gtttccaggg	ggatgttgac	gaagatctta				390

<210> 13623

<211> 430

<212> DNA

<213> Homo sapiens

<400> 13623

ggaagttgtg	tcccggacgt	gtcaaccggg	gtctgagtgc	tcagagtaca	gctgcaaccg	60
cgaccatggg	cggaagaagc	aagcagcgaa	ctaaagggaa	cctgaggcct	tcaaacagtg	120
gccgagctgc	agaamtccct	gscaaaagam	cagggaacag	tgccctggatt	tatttggtttt	180
ggaacatctc	agagtgcact	aggctatgtt	cctgctatct	aaggagctga	agaaattgac	240
agtctttag	attctgattt	ccgaatgggt	ctgcggaaac	tttcaaagaa	agatgtcacc	300
acaaaattaa	aagctatgca	ggaatttggg	accatgtgta	cagagagaga	cacagaaact	360
gtgaaaggag	ttcttccata	ttggccaaga	atTTTTTgca	aaatttcact	tgatcatgac	420
cgtcgcgtcc						430

<210> 13624

<211> 368
 <212> DNA
 <213> Homo sapiens

<400> 13624
 gctgaccgrg cgcacscgc ccccgsggcc atcttcccg cgcgagccg tccaggtctc 60
 agtgctgtgc cccccccaga gcctagagga tgtttcatgg gatcccagcc acgccgggca 120
 taggagcccc tgggaacaag ccggagctgt atgaggaagt gaagttgtac aagaacgccc 180
 gggagaggga gaagtacgac aacatggcag agctgtttgc ggtggtgaag acaatgcaag 240
 ccctggagaa ggctacatc aaggactgtg tctccccag cgagtaagag cccacgtcct 300
 gggaggtctg ttctgcctt ggggggcttg ggtgctccat aggcagcaag agcaggcgctc 360
 tgtcaggc 368

<210> 13625
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 13625
 acccatccgc tggctctcac ccctcggaga cgctcgcccg acagcatagt ggtgatggga 60
 aatgagactt gctctctggc cttttcctat tttcagccca tatttcatcg tgtaaaacga 120
 gaatccacc 130

<210> 13626
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 13626
 acccatccgc tggctctcac ccctcggaga crctcgcccg acagcatast acttgccgcc 60
 cagccacgcc cgcgcgccag ccaccacaag agtttgggca agaagggaga aaagtgacct 120
 agcaggaaga acttccaatt cggttttgaa tgctaaactg gcgggacct 169

<210> 13627
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 13627
 gcaatcgctt ttccggagag acctggctgc tgtgtccgc ggcttgcgct ccgtagtgga 60
 ctccgcgggc ctccggcagt ttgctgatgg ccgccaaagt tggagttcgt atgttgatga 120
 catctgatta gcagaagtca tgttccagct tggactcatg aaggattaaa aatctgcatc 180
 ttccactatt ttcaatgtat taagagaaat aagtgcagca tttttgcatc tgacatttta 240
 cctaaaaaaa aaaagacmcc aaatttggcg gaggggtgga aaatcagtkg twaccattat 300
 aaccctamag aggtggtgag ca 322

<210> 13628
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 13628
 ccaaggagcc acatgtcaca gtgccctgct gcctgaacaa ggaccagagg cctgtggaac 60
 acatggctct cagatttctc ccatttgatg actcatcagc tgccccaca tggctttcta 120

gctcacagca gatctagcct tctctgagca gtgaagatgg gatgtttggt cattttccct 180
gggtgtggaga gcccaagtgg agttcttcag cacaccctac accatcccct cactaaca 238

<210> 13629
<211> 314
<212> DNA
<213> Homo sapiens

<400> 13629
gcttgtgtcg cgctgccggc gctccttctt cctcggtctg cgtctcactc agtgtacctt 60
ctagtcccg ccatggccgt ctcaccggg acccccagtt ccagcaagct gcagcaatgg 120
taccgcgagc accgctccga gctgaacctg cgccgctct tcgatgccaa caaggaccgc 180
ttcaaccact tcagcttgac cctcaacacc aacctggggc atatcctggt ggattactcc 240
aagaacctgg tgacggagga cgtgatgcgg atgctgggtg acttgggcaa gtccagggggc 300
gtggaggccg cccg 314

<210> 13630
<211> 270
<212> DNA
<213> Homo sapiens

<400> 13630
tgtgtgtact ttgtcctgag gggaacaagg agccaaggaa gaggtctggac tcttttgggg 60
agctagtctg cctctctgaa caaacctgt gggagaaaga cttgaaagca tcagttggag 120
aaagggaaag tgaagagcaa atatctggct caaaggaggg gccaagaggc cttagcacia 180
tgacatttgt atcaagaact cctcaangat ggccatggac acagtgggta ctacttacc 240
aaaggtggtt ttgaggggat ggatacatgg 270

<210> 13631
<211> 283
<212> DNA
<213> Homo sapiens

<400> 13631
gggtcccgctc cgtcccgctc tgtgcggccc cgtcccgccc cccgcccgcc agccatgagc 60
tccacgcagt tcaacaaggg cccctcgtac gggctgtcgg ccgaggtcaa gaaccggctc 120
ctgtccaaat atgaccccca gaaggaggca gagctccgca cctggatcga gggactcacc 180
ggcctctcca tcggccccga cttccagagg gcctgaagga tggaaactatc ttatgcacac 240
tcatgaacaa gctacagccg ggctccgctc ccaagatcaa ccg 283

<210> 13632
<211> 193
<212> DNA
<213> Homo sapiens

<400> 13632
acatcttttag tagagacggg caatccaccc gcctcggtct ccagagtact gggatgacag 60
gcgtgagcac cacgtccggc cacaagagag ctttgatgca cacggtgaca gccacatggt 120
gcacccggaa gaacaagggg cctgaagtta gttagacct ccttgctggt tctaccacag 180
tcgcacgccc cac 193

<210> 13633
<211> 286
<212> DNA

<213> Homo sapiens

<400> 13633

ctaatttttt	tcttctgttg	tggatattca	gttttcccaa	cattgtttat	tgaggagacc	60
gtcctttctg	cattgtgtgt	tcttggtacc	tttgtggaaa	accagttgac	tgtaaattgt	120
tggatttatt	tctgggcttt	ctattctgtt	ccattagtct	atgtgtcttt	atggctttca	180
aattattgtga	gacagaagaa	cacaggatac	accctcttca	cacttgccat	taatagccca	240
gtgcagccag	aatgaacaag	gtgttacaga	atgtgatgca	acaaca		286

<210> 13634

<211> 354

<212> DNA

<213> Homo sapiens

<400> 13634

tagcttggaa	tggtctggca	gggtaatgtt	gggcttaata	gtgaggtggg	gagtggtagg	60
ttcagagttt	atgtaaggcc	caggccaggt	gggattttat	gctgtgcwgg	tcnttgtgtg	120
attgacagca	gcagggggct	gaaggataag	tgagggggaa	tcttccgagg	tcataactga	180
ataggtatth	gtggcaacaa	gtggatgggg	gaaactggga	agtgaatgaa	ggggctgtga	240
ggggagtgat	tgggcctctc	tggctcttgw	tttgtttact	atctgcttct	cctcattaaa	300
gaggacatgg	aggttgtctg	atttgttaat	tcattgctac	acatctagtg	ccca	354

<210> 13635

<211> 193

<212> DNA

<213> Homo sapiens

<400> 13635

cgtgcctggc	acacagggca	tgctccatcc	tgaacataag	acgtgtggat	cttgtttgat	60
tctcacgtga	ccccataaag	tagatactat	aaggccccc	cttttcagtg	tggcccaagt	120
tgggccttgc	tgaacctgt	tacctctctt	aacaatcacc	cgtacacact	gcttctctctg	180
cctggaaccc	acc					193

<210> 13636

<211> 94

<212> DNA

<213> Homo sapiens

<400> 13636

acattgastg	agagtgcagt	ctccattgtc	tccaacaatc	gcatgatatg	gagtggctct	60
catgtgcttt	catccttgtt	tgtctgttgc	tgcc			94

<210> 13637

<211> 357

<212> DNA

<213> Homo sapiens

<400> 13637

ctcaacaatc	ttatcaggta	ggaactatca	tcatcccat	tttactgtaa	gaaatctaag	60
gccccacttg	ggaggctgag	gcagaagaat	cgcttgaacc	tgggaggcag	aggttgcagt	120
gagctgagat	tgagccactg	cactccagtc	tgggttacag	atgacagagc	aagactcsgg	180
stcaggggrr	aaaaaaagaa	agaaaagaaa	agaaatctgr	gacccaaaga	gattaagtaa	240
tcttcccgaa	craacggtgg	taaagaggca	acaktggccc	agaggtrrgg	agcttgtscy	300
ctagagccac	aytgccaggt	ttaratattg	cctcagtaac	tcccatgtn	acctcgg	357

<210> 13638
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 13638
 aattgtccac taaggtctgg caggtctgat tgcctctttt caggcactga gtggtggggt 60
 atgccatcct cccctgctgg aaccagcctt ggctgacct gwtagtcac aaaaatagat 120
 ctcaccaggg aacaatcttc tcaggttggt gtgtaatttg agtgagccaa ggaccagagg 180
 agcgagagcw gcaagaacca caccagcag caatgtcagc ggawrtggaa acc 233

<210> 13639
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 13639
 ataacaatgg ttattgaagg aagaaaacct caagctcaat gggagagaga ctatgatttt 60
 atgccttttt atggtttgaa ttattgtgtc tatgtktcca tttttaaaaa ttcaggtatt 120
 cacatataaa attcacactt ctaaagtgtg taattcagtg gttttgaggt tttcacagga 180
 tgtgcaacta acacct 196

<210> 13640
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 13640
 tagggggccc tacaagcggc cacaaggatg gcaggcttcg cggastcggg ctgtcatcgt 60
 ggctcgtgga acaatgtcgg cagctgggtt tgaagcagcc cagcccgtg cagctcggct 120
 gcatccccgc catcctggag ggtcgaagmc tgcctgggct gtgctaagac aggcagtggg 180
 aagacagcag cgtttgtcct tcccatcttg cagaagctgt ctgaggatcc ctatggcatc 240
 ttctgcctcg tctgacacc caccagggag ctggcctacc agatcgcaga gcagttccgg 300
 gtcctgggga agcctctagg gctgaaagac tgcacatcgc tcggtggca 349

<210> 13641
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 13641
 gtcgcctttt ggtgacgcca gagagtgcgc gtcasagttt attagagagc tctgtagcca 60
 gcctcttctg cgcacccacc tgctgcatct tagttcagtc ggctcttaga gtagtaaccg 120
 ccagaaagga gtcggaagag gtctcacgag gctgtcatca ccgccatgcc caagaataaa 180
 ggtaaaaggag gtaaaaacag gcgcaggggt aaaaatgaga atgaatctga aaaaagagag 240
 ttggtgttta aagaggatgg acaagagtat gctcanggta atcaaaatgt tgggaaatgg 300
 acgattggaa gcatttgtgt ttgatgggtg aaagagggtg tgccatatca ga 352

<210> 13642
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 13642
cacaggatga ggaagattaa ggataatcaa ttgactaatt tcatttagaa tattatcaaa 60
catttcaact aggtatcaga aaaaggcttt ctttcataag actattttta atagaaatta 120
tttcaacaat taaagtaatg ttgaccatcc ccctctcagc tgaataaaga aaaatttagt 180
tcaattttatt gcaattttaat tacaatacta ccttcacaac attttcatgt gttttaaata 240
aatatttttt aattggctaa aggacattca agcaaagaaa tgctttcttt acttaaaatg 300
tctatctcat ttgctgcctt ttcactaagc ctttactttg ttaataaaaag tgtccattgt 360
gtgatgtttt tgattttaca gtttgctaaa tcttattttc ttggagttgc tttttggtaa 420
ca 422

<210> 13643
<211> 141
<212> DNA
<213> Homo sapiens

<400> 13643
aggactccgc tccgcctacg ctgcaggcgg agagcaaccg ccaagcttgg tgggagtcaa 60
ggttttcaca tcttttctat gagtttcgcc atctatagct tttatcaaca attgtgggtt 120
aatcaattag agatattaac c 141

<210> 13644
<211> 173
<212> DNA
<213> Homo sapiens

<400> 13644
tagagatata gatgctagat aaatttttaa ttatgaatat aatattaaaa tattattaaa 60
aattgaagaa atagaaaaca agagcatccg tactcccact acatgaacac aataaacatt 120
gtttcctaca ttgacttata tgttctatac acagctgaaa tacatttttt ttt 173

<210> 13645
<211> 439
<212> DNA
<213> Homo sapiens

<400> 13645
aaaccctggg ccagggcggg aaagggggga ggatgttgat tgttggaaca cacacctgtc 60
caggtgcagg ggagctggag gctctgtgag aggagggcca gctcagccac agcaggagga 120
ctgacagggg cctgatggag gagtttgttg ggctkcerta aggcctcctca gggaaccctg 180
tgactctgca gnagctgttg ggccccctgtc ccctcatccg ccgaggcatc cgaggtggcc 240
tggagnngct gaagcagaag ctcttccgcc tgggcgagga ctggtacttc ctgatgacct 300
tcggggtgct catggccctg gtcagctgtg ccatgrract tggctgttga gartgtggct 360
cgagcgcacc nstggctgta cagggagatt ggggacagny acctgctccg gtatctctcc 420
tggactgtgt acctgtgtg 439

<210> 13646
<211> 391
<212> DNA
<213> Homo sapiens

<400> 13646
aggtctccag ccaccccgtc ctctctgttc tcagcttccg tctctctgct ttccttacag 60
cacccccacc tgccagagct gatcctccct aggcctgtgc taaccttgag ttggccccca 120
atccctctgg ctgcagaagt ccccttacct ccaatgagag gaggggcagg accagatctt 180

ttgagagctg	aggggttgagg	gcattgagcc	aacacacaga	tttgtcgcct	ctgtccccga	240
agacacctgc	accctccatg	cggascaaga	tggggaatgg	aactgaggaa	gattataact	300
ttgtcttcaa	ggtggtgctg	atcggcgaat	caggtgtggg	gaagaccaat	ctactctccc	360
gattcacgcg	caatgagttc	agccacgaca	g			391

<210> 13647
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 13647		
tcacctgccc	cagggactca	gaacacacat gactctcccc acttgagctc aggatccccg
cattacacgg	ggcgcgctga	gccccagatg tc
		60
		92

<210> 13648
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 13648		
cttctgtttc	cctctgacta	ggccttcagc tgacttcttt gctggaattt tctaattcttg
tgacagcagg	gaaaagctgg	atgtgggtcca tctcttaaca cagacactcc tccctgtctt
gaccagctac	gtattccact	gaccagcctc atcatctctg ccctcaacag tggaaatgat
ctctttccca	cagatgtttc	ccctccctc
		60
		120
		180
		209

<210> 13649
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 13649		
aatctgtaaa	gtacagcgag	aagaagaagt ttsacctgcc tgcacatctg tcgttgactc
tccatctgac	ttggaggggac	tctgagggac caacctgagc ctgagaagag gcaagattcc
ccttcaagga	cacactggga	acttacggac ctctttctcc atggtgcaga gcgcagaggt
aattacataa	ttgtctgttc	aattacttta ctcaagagtc
		60
		120
		180
		220

<210> 13650
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 13650		
cgggtgtgct	gtggtctgcc	cctggataac ccagaagaac acagctgtgc gcgcccacag
gctctggggg	cgggagaaga	taagtcgcaa ggaagggggcg ggacctac
		60
		108

<210> 13651
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 13651		
ctgaaatctg	tatcagctaa	gagtcctcca atcctgggtcc cattaactcc aagtgccttt
ttgacagtga	caacagacag	tccctcgctt tttgttggtg ttggtttttc ttaaccctt
taatggaact	gcctggattt	tatacagtta ttaaaggatg tctcttttgc tttaaactgc
		60
		120
		180

atgctgccaa	gtgccatttg	gggtcagcat	cctcgtttca	acacagtgtg	ctctctagtt	240
atcatgtgta	acgtgggttc	tgttttagcga	agatagacta	gaggacacgt	tagagatgcc	300
cttccttgct	ccatccctgt	ggcaccatta	tgggtttttg	gctgtttgta	tatacgggta	360
cgtattaact	ctggaatcct	atgggctcat	cttgctcacc	caatgtggga	gtctggtttg	420
agcaagcgag	ctgaatgtga	ctattaataaa	aaatttaaaa			460

<210> 13652
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 13652	
caatataaca	catattctcc
ctgaacttgg	cataggtcta
tagacccttt	aggaaagtaa
60	
atttggagct	agactgtttt
tttagacttt	agagatgata
cagactatgt	aactatgtcc
120	
ttccttcttt	ttaaaagttt
aatttaacct	aaagataggg
tctcatgctg	tcacccaggt
180	
tggagtgcag	tgatgagatc
atagctcact	tgtaaacctc
gaactcctct	actccagcag
240	
tcctcccaact	gtaccctttt
gagtagctgg	gactataggt
gcatgccacc	atgagcaact
300	
aattttttat	gtttttaga
aatggagtct	cgctttgttg
cccaggctga	tctcgaactc
360	
ttgggcacaa	gtgatcctcc
catagg	
386	

<210> 13653
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 13653	
ccttgattac	aaaaagaaga
aacacgtatt	caagctaaga
ctaaatgatg	gcaatgagta
60	
cctcttccaa	gccaaagacg
atgaggaaat	gaacacatgg
atccaggcta	tctcttccgc
120	
catctcctct	gataaacacg
argtgtckg	cmagcaccca
gagcacgcca	gcatccagcc
180	
gcgcgcagac	cctccccacc
agcgtcgta	ccatcaccag
cgagtccagt	cccggcaagc
240	
gggaaaagga	caaagagaaa
gacaaagaga	agcggttcag
cctttttggc	aaaaagaaat
300	
gaactccttt	ccttcacctc
ctgcccttct	cttacctttt
cagtgaatt	ccagcatgca
360	
agctcagaac	caacacatta
ctctctgtgc	ctaattgttc
tcaatgtggg	tgattttktt
420	
ttttttwaat	ttatagagca
tttcgggggg	ggtgggggaa
acacacctaa	acactttatc
480	
yccaagttac	aaaagtttga
ggtgcagagg	gaaggccaga
tttt	
524	

<210> 13654
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 13654	
ttttttttgt	tgttggtgaa
aggtgagggg	aacagctgat
ccgtctgttg	ggaggacaga
60	
tatctcaagg	ccaggatgga
agaatcacca	ctaagccggg
caccatcccg	tggtggagtc
120	
aacttttctca	atgtagcccg
gacctacac	cccaacacca
aggtggaatg	tcactacacc
180	
cttccccag	gcaccatgcc
cagtgccagt	gactggattg
gcattctcaa	ggtatctctg
240	
gaaccccttt	tggttaggt
ttatgggctg	tgagttgggt
ggaataaggg	gaatgattgg
300	
gctcttgat	tctcaacctc
aggttgatag	agaagaagag
agaaagatgt	cacagatgac
360	
agagac	
366	

<210> 13655
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 13655
 ttttttttgt tggttggtgaa aggtgagggg aacagctgat ccgtctgttg ggaggacaga 60
 tatctcaagg ccaggatgga agaatacaca ctaagccggg caccatcccg tggaggagtc 120
 aactttctca atgtagcccc gacctacatc cccaacacca aggtggaatg tcaactacacc 180
 cttccccccag gcaccatgcc cagtgccagt gactggattg gcattcttcaa ggtggaggct 240
 gcctgtgttc gggattacca cacatttgtg tggcttccg tgctgannk ragcaactga 300
 tggttccccc attcabnnsa gtgtccagtt ccaag 335

<210> 13656
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 13656
 ttttttttgt tggttggtgaa aggtgagggg aacagctgat ccgtctgttg ggaggacaga 60
 tatctcaagg ccaggatgga agaatacaca ctaagccggg caccatcccg tggaggagtc 120
 aactttctca atgtagcccc gacctacatc cccaacacca aggtggaatg tcaactacacc 180
 cttccccccag gcaccatgcc cagtgccagt gactggattg gcattcttcaa gccagctacc 240
 tgcccaaacc aggagctcag ctctaccagt tccgatattg gaaccgccag gccagggtgtg 300
 tgggcagagc cccctttcca gttccgagag ccaaggccca tggatgaact ggtgacctgg 360
 angaggctga tgggggctct gacatcctgc tggttgtccc caaggcaac 409

<210> 13657
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 13657
 ttcgtggagc gcctccgggc tcggatcgct gtctgccgcc aacaccacct gagctgtgaa 60
 ggacgatatg aacgaggtag ggccgagagc tcagaccggg aawgagawwg caccttgcag 120
 ctcccttrwgc ccttggttaca kcattggcca gggggcaagg aaagctggca aacacaccaa 180
 ggccaccgcc actgctgccca ccactacagc cctccaccg 220

<210> 13658
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 13658
 ttttattttt atattatgag ttgtcaatct taaaaatatg agtaattcta catgtagtag 60
 aggtgtatga agatcatata acaattaaac ataagccaga aattaaaatg actakagrca 120
 gcaagaattg agctaataat atgttttaac tcttaacacc agcaagaagt cagtcattta 180
 ttgaagtttt agctactaag attacttggt tttgattacc agtgaaaaga aaacacaata 240
 caatcaggag ttttcaaatt tttgatctag tatttgaatt tcttcttcat aaatgtagtt 300
 gaatttatcc tagtattttt ctttacctga aggagggccca tttattttta atttcactac 360
 atttttcttt gcatgattat taaaataaaa actgcctctg ttgtgtttct cactggaggc 420
 tggaatgaat gatcactaga acacaaaaga gtgaatgatg acacttgaag tcaaagcagt 480
 tgtact 486

<210> 13659
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 13659

aaccagaaaa	acagggacat	caaccagcaa	agatgcatcc	tcatttaata	gagcttgaaa	60
ttactataat	ctgtaaagta	cagcgagaag	aagaagtttc	acctgcctgc	acatctgtcg	120
ttgactctcc	atctgacttg	gagggactct	gagggaccaa	cctgagcctg	agaagaggca	180
agattcccct	tcaaggacac	actgggaact	tacggacctc	tttctccatg	gtgcagagcg	240
cagaggtgaa	caaacagacg	cataatagct	cttgagcttg	ccattgggaa	gtgaaaatca	300
actgcttgaa	taaatgtaag	gactcaggta	gacatcacct	tgtgactcaa	cagcagccaa	360
taagatggaa	ataaaggcca	tgaagttatc	ggatggcatc	tacaaggaat	acttagatga	420
ggaggtgact	ctggtagcaa	tggttctttt	gtctttctca	ccttccttct	tgtcctgtct	480
gggatgctga	a					491

<210> 13660

<211> 418

<212> DNA

<213> Homo sapiens

<400> 13660

tggccaggat	gatcttgatc	tcttgacctc	atgatccacc	tgctttggcc	tcccaaaacg	60
ctgggattac	aggggtgagc	caccgtgccc	agcctagact	atTTTTTTtag	agtagtttta	120
ggttcacaga	aacattgaac	agcaaagtat	agagagtttc	cattacgccc	aacaccacaca	180
cactctcagg	tttctccact	atcaaagtca	tataccaatg	tggttcattt	gttataacca	240
atgaacctac	attgacacat	cattatcacc	caaagtccat	agtttgcatt	agggtttgct	300
cttggtgctg	tacattcaat	gggttttgac	aaatgtataa	tgccatgtat	ccacccttat	360
actgtagtgt	catacggact	aatttcactg	accatctatt	catcctttcc	cctccaca	418

<210> 13661

<211> 415

<212> DNA

<213> Homo sapiens

<400> 13661

aactctttat	caatcgtctt	ccggcgccagc	ccgtccctgt	tttttgtgct	cctccgagct	60
cgctgttcgt	ccgggttttt	tacgttttaa	tttccaggac	ttgaactgcc	atgtcctctg	120
aagaaggaaa	gctcttcgtg	ggagggctca	actttaacac	cgasgagcag	gactggaag	180
accacttcag	cagtttcgga	cctatctctg	aggtggtcgt	tgtcaaggac	cgggagactc	240
agcgggccag	tacagcagtg	atccaactgc	ccgggagagg	gaacgggaag	cccgtgaacg	300
agacctccgt	gaccgcctca	agcntggctt	tgaggtgaag	cctagtgagc	tggaaccctt	360
acatggggtc	cctgggcccgg	gcttggatcc	ctttccnnga	catggggggc	tggtc	415

<210> 13662

<211> 364

<212> DNA

<213> Homo sapiens

<400> 13662

aactctttat	caatcgtctt	ccggcgccasc	ccgtcnntgt	tttttgtgct	cctccgagct	60
cgctgttcgt	ccgggttttt	tacgttttaa	tttccaggac	ttgaactgcc	atgtcctctg	120
aagaaggaaa	gctcttcgtg	ggagggctca	actttaacac	cgacgagcag	gactggaag	180
accacttcag	cagtttcgga	cctatctctg	aggtctctgg	atggctcgta	gatccgtgkg	240
gatcatgcag	gnaagtytgc	tcggggaacw	kaggaggtgg	ctttggggcc	akgggcgtgg	300
tcgcrctac	tctagaggtg	gtggggacag	ggctatggga	gtggcaggtg	ttatgacagt	360
cgaa						364

<210> 13663
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 13663
 gtgtgtgtgt gtttgcctgt ggtagttgt gccgttctgc tggaacaccg tgggaaggca 60
 gtagacgcgg gcagtcagct agcagagacc tgtcggccat ggagcctaata gatagtacca 120
 gtaccgctgt ggaggagcct gacagcttgg aggtgttgrt gaagaccttg gactctcaac 180
 tcgtaccttt attgtggag 199

<210> 13664
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 13664
 aatccccgca ccaagcgctt aacctcattg gggtaggagga gaaggcggcg gctctctggt 60
 ccgcagcggc aacagtaacg aaaaacaggg ctaatggact gctgaattat tgaagtattt 120
 cagacccagt agtagaacat cactctgccca ctactcctt tatctcctac tagttattta 180
 aattggactt ttaatatcct accag 205

<210> 13665
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 13665
 agagcctcag ctctcgctgct gggcagttgg ctggaggggc tgctgctggg aacacctgga 60
 gtctccgcgg gcagatctca tattttggat tctggatata ttataatgag tgacactttg 120
 a 121

<210> 13666
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 13666
 aagagtgcag agtgggagaa gagcggackn gkgagcagta ctgcggcctc ctctcctctc 60
 ctaacctcgc tctcgcggcc tacctttacc cgccgcgctg ctgcggcgacc agaacacctt 120
 ccaccatgac cacctcagca agttcccaact taaataaaag gcatcaagca ggtgtacatg 180
 tccttgctc aggtragaag agtccaggcc atgtatatct ggatcgatgg tactggaaga 240
 aggactgcgc tgcaagaccc ggaccctgga cagtgcgccc aagtgtgtgg aagagttgcn 300
 tgagtggaat ttcgatggct ccagtacttt acagtctgag gggtccaaac agtgacatgt 360
 atctcgtgc 369

<210> 13667
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 13667
 acaagcgtct gtaactctgg gcaatggggc acatcgagag tttgctgaga agactgtgaa 60
 gcaaaaagaa gaaagttttt cctactcttc cttatgtgtc caacacgaag tttgctgttc 120

agttttcaca	gaacttctag	aagttgaagt	tacaaaggta	tatagaaggt	acacagaatc	180
agaaaagatt	ataaaagaaa	gcaagatttt	tgtagtgac	gtcctgtttc	ctctgaagag	240
taatagttgg	aatcaaaaaga	kgcaacgcaa	tgaactgtta	tttactgctg	cgttttatgt	300
tgggaattcc	tctcctatgg	ccttgtcttg	gagcaacaga	aaactctcaa	wacaaagaan	360
gtcaaagcag	ccagtgc sat	ctcatttgag	agtgaagcgt	ggcttmkktg	tggaaccaat	420
tttttgtacm	agaggaaatg	nttacgacta	gtcatyacat	cgcccagcgg		470

<210> 13668

<211> 422

<212> DNA

<213> Homo sapiens

<400> 13668

tagtggaacc	tggtctctggg	gagaagccgc	gtgagatccg	cgcggttgct	agctagtccct	60
ttctcgtcgc	tgctcggtctc	gcggtccgtg	gggtcggccc	cgccaccgtt	gccgccatgc	120
ccatgaaggg	ccgtttcccc	atccgcccga	ccctgcaata	tctgagccag	gggaacgtgg	180
tggtcaagga	ctccgtgaag	gtcatgacag	tgaattacaa	cacgcatggg	gagctgggcg	240
agggcgccag	gaagttttgtg	tttttcaaca	tacctcagat	tcaatacaaa	aacccttggg	300
tgcagatcat	gatgtttaag	aacatgacgc	cgtcaccctt	cctgcgattc	tacttaagat	360
tctggggagc	aggtcctggt	ggatgtggag	accaagagca	ataaggagat	catggagcac	420
at						422

<210> 13669

<211> 251

<212> DNA

<213> Homo sapiens

<400> 13669

ataacaagaa	gccacgcgga	aggtgttaaa	gcacagagtg	acactccctc	ttccttttcta	60
ccttcttggt	gtttttctca	agaggaaaca	aaggcagaat	aaggagtagc	gcaaattcctc	120
tcctcgctct	acgcatcagc	agtgaacacg	tccttggcgt	ctcacctcct	acctcctgag	180
gcatagcaac	aaacaccatg	acacagcaac	aaacatcatg	gcacatcatt	ttccagtttt	240
tctcaatagt	g					251

<210> 13670

<211> 138

<212> DNA

<213> Homo sapiens

<400> 13670

cataaacta	accttcgggc	tgggagccaa	gagttctggg	ccaacggtac	ccagagtccc	60
atggggctta	actttgatcc	acaagaactg	tatgattcct	ttcctgacca	gaattttgag	120
gtgatgccca	atggaccc					138

<210> 13671

<211> 228

<212> DNA

<213> Homo sapiens

<400> 13671

atttccgcgg	gtgcttggt	tagtgctgag	acgggattcc	gccgttggtta	ttcagggtcca	60
acactaagac	tgtgtccatg	ttagaactca	tagaagttaa	tggaaccctt	ggtagtcagc	120
tctctactcc	gcgctcaggc	aagtcgccaa	gcccattcacc	caccagccca	ggaagcctgc	180
ggaagagagg	agctctcagc	atggcggttc	ctctacgtca	cttgcgtc		228

<210> 13672
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 13672
 tatggatctt ttttactaac actatttcac atctgcttct ccttaaacc aaagacttga 60
 ttttatttat tcatttacca taatgttctt atttcttatt gttagacatt gaggttggtt 120
 ctaacttttt accattttat ttactttat tttattttat tttattttat tttattttat 180
 ttttgaggca cggctctgct ctgtcacg 208

<210> 13673
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 13673
 aacactctgg gtccatcttc aagacactgg gctgtggatc aacccaacca ccactcctct 60
 tccaagaatc attttgacag gttcttttgg aggaactcct tctcttttta acccaccctt 120
 ttaaaaaaaaa aaatggcacc aaagaaagac gtgaagaaac ctgtggctgc ggctgcggct 180
 gccccagccc cggcacgggc acctgcacct gccctgccc cagcc 225

<210> 13674
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 13674
 caacaaagaa tatctarraa ttataaccga ttctaagtat atactttaag aaattcaggt 60
 ttgactgtat ctacttcata aatttatcat tatcttttta taactattag aaccagagtt 120
 agaaagaagc agtttggtta atataaaaat tatgtggatt ctgttagagt agttcagctt 180
 ccttaaaata agcatatata aactaacaaa ctaaataata aagctaaaca agtgaaactg 240
 aagcagattt attgtaagat ttggaagagt gcaggatgtt tatcatagca cattattaat 300
 atttattatt ctccctatgt agataagtaa tgccttagat ttataccata gaaaaacagg 360
 tagagacgtt tagctgtgag tgtacaagta taaatcaatt aagtgccaga ttttgatcat 420
 caccagktgc tcatncaagt cctatgttgc aaagttactc ttaccctttt ttacattact 480
 tgataaaggc aatgttttaac tacatatatt ctgttaacta gctggtagag tacatacgta 540
 aagtcagtaa ataattgttac aaattttttc cagctgagta agtgaatatg tatctagttg 600
 taagaaatca agaagaggat aaaaaatata atcaggatgt ggactctaaa acggaataaa 660
 ctctatgtcc tgtaactttt ctcacttgta ataatacagc attctcamcc tgt 713

<210> 13675
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 13675
 tcatttgggg aggacgtgca gaaggagaac actgagagag gcgtctggac agaggcctag 60
 agctggggcg ggtaaggctg caggacagga tgggaacagg gttactgctg gcagggacag 120
 cctgcacttc ctacagtaatg ccaacttgat ggagcattcc actgtctacc acagctagcc 180
 ggccactggg cagagggctg ccacccatgg agaggagatg tagcagaggc tgg 233

<210> 13676

<211> 129
<212> DNA
<213> Homo sapiens

<400> 13676
taacttggtta atttttatga acattgtttt gtgttatacg actgtaagag ccactctttg 60
tttaatgcta atttgggggt aacactgagg catgcacttt ccatatatta tcccatttaa 120
tcctcaca 129

<210> 13677
<211> 123
<212> DNA
<213> Homo sapiens

<400> 13677
cagttttggt aatttgtgtt tttctagaaa tttgtctacc tcacttagct tttctatttg 60
ttggcatgta attgttcata gtgttatatt cttttttaac ttctgtaaca ctgatagtaa 120
gtc 123

<210> 13678
<211> 187
<212> DNA
<213> Homo sapiens

<400> 13678
cctagtacgt taactcaggc attctgatga ctaatacacc taacactgca ttgtagcata 60
tgaatctggt gaatgtggca taggagaata gattcattca gttaatatatt gagtcaattc 120
ttgaagacct tctgtatttt aagcatttgg gttaggcact gtggatatga agatgaaaaa 180
aatcagg 187

<210> 13679
<211> 381
<212> DNA
<213> Homo sapiens

<400> 13679
tgaatatcac ctctgttcta ggaacactgg ttctcaatta acttaactac catgtttcat 60
tatacgggaa cactacattt tttatcagtt ttacaattaa tggacatttt gttttttctt 120
gtgctgttgc tattttattt ttattgaaaa gtttttttta gacacagtct tgctttgtca 180
cccagggttg agcgcagtgr tgcgatctcg gctcactgca gcctccgcct ccccagttca 240
agtgattctt gtgcctcagc ctccccagta gctgggatta caggtgcacg ccaccatgcc 300
caactaat tttgtatttt agtagaaatg gggtttcacc ttgttgcca gactggcctc 360
tcaaactcct gacctcgagt g 381

<210> 13680
<211> 123
<212> DNA
<213> Homo sapiens

<400> 13680
aattaggctc atgaactaac aaatcgtttg cacaacttgt gaagaagcga acatttccat 60
ggattgtcct tggacttagg gcgcctgcc cgccttttgc agaggagaaa aaactttttt 120
ttt 123

<210> 13681
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 13681
 tatcattttac ttttaaaaca tttaattaga aaaacaggtg atattttaaga ctattttataa 60
 acttatttggc caaattgcca aaaagtttct ttttctctaa ctttggtatt ctaaataatt 120
 gattattgct cccattgtaa actgaaccat gtatgcactc tcttttctga ccaaactaca 180
 atggtatatt ggtaaattat ttaacaacac actgt 215

<210> 13682
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 13682
 cattatatctc aaagattcca aggattaacg catcacatat cttttagaaa aaaactattc 60
 ggctactaa actcgatgag tcttcatcta ctgagactca ggccgagtca gataaaaagc 120
 tttacaatat tccacacctc tctctacacg tggtaaaaac aaggagaaag agtttctctt 180
 aaaattttaa gttcactaaa aatagaacaa aagca 215

<210> 13683
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 13683
 cagtctcttt cgtgccatct accttcgaag gaaggaacac ttttagagtt acaatgatga 60
 ggagaggagc gggacaatac tcaatcctat accaagtcaa ttgagattag tttcctactg 120
 ggagtaagtg cctggccctg ctactcctat ttgaatgcta ttaatattac ctageccttt 180
 acaaaggata ctttgtaaat gtctgctgtt ggaacttgat gttaatccat tttggtcata 240
 gccatattag agagatttgc acagaatgta aaggcaaaag cataggaac acct 294

<210> 13684
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 13684
 aagcgagatt tgaagatcac cgatgtcatc atggccttcc aggcgatgtg tcgtggctac 60
 ttggccagaa aggcttttgc caagaggcag cagcagctga ccgccatgaa ggtgattcag 120
 argramtgsg gcsgcctacc tcaagctgag gaactggcag tggaggaggc ttttcaccaa 180
 agtgaagcca ctgctgcagg tgacacggca ggaggaggag atgcaggcca aggaggatga 240
 actgcagaag accaaggagc ggagagaag gcagagaatg agcttaagga gctggaacag 300
 aagcactcgc agctgaccga ggagaagars stgctacagg aacagctgca ggcagagaca 360
 gagctgtatg cagaggctga ggagatgcgg gtgcggctgg cggccaagaa gcaggagctg 420
 gaggagatac tgcattgagat ggaggcccg caggaggagg aggaagacag gggccagcag 480
 ctacaggctg aaaggaagaa gatggcccag cagatgctgg acctgaaga acagctggag 540

<210> 13685
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 13685
 aggtaaggcc tggggacatg tggagtcagc caagtcccct ggctatgctg gaaagtcaga 60
 ccttatctgc acttctgact ggtgtctgtt ctaggntcca cacctgatgt caaattccag 120
 cagaacagct gatgctaacc agtttgaaga ccccnagw ggaacagaat cagcatgaga 180
 atacngcttc ttcttcaacc tgtcccatga cttcac 216

<210> 13686
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 13686
 aatccgaggc ctttgccggc ctgtgggcca ccagctgggg gctccccgct tccatccacc 60
 taccacaccc acattcctga cccctcccgc cgtctgttgc tgtggaacag actcacagag 120
 ccgcacccac ttcccaagac ccagcccat c 151

<210> 13687
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 13687
 aattgatatc aggcaggaca ggaactgact gcgtgaactg aactaacaga ctggagtgat 60
 ctttttgatg ttttgctcgg aatattgttg gtcctttgtt tgcttttcag agtcaaanga 120
 ggcttttctt ttgagctatc aacagctttt gacagtttgg tgtgctcca tgaacaaaat 180
 ttgaggcatg cttatttctc tctgcctggg tttctcccga gtctggaaac tacctctgga 240
 gatcactaaa acctaagctg tgctttcttg aagccctgtg agctgaaaat tagatgtttc 300
 agtgggcgct gcctctgggc ctctgaggca g 331

<210> 13688
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 13688
 tacttgccct tctcaaacat ggccgccacg gcgcctcttg aagggaaccg ctctgggccc 60
 cgcttttgat ctggttggtg gggctggggg atgagagctg caccgcgcgg gacaagtcgc 120
 cggcgssccc gacggagcag aagagagaga aagagagaga gctagctgtg ggattctgtg 180
 tagttcttca ctatctgttc cagggctagt cggaggatca taagcaagct cagacctgcc 240
 cccagttcag tacttgacca matyccargr attwaatggt gtctgtctat ggcmacagcc 300
 aaccagaatg 310

<210> 13689
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 13689
 tacttgccct tctcaaacat ggccgccacg gcgcctcttg aagggaaccg ctctgggccc 60
 cgcttttgat ctggttggtg gggctggggg atgagagctg caccgcgcgg gacaagtcgc 120
 cggcgssccc gacggagcag gtaaaatgtg gataatacgg ccgggcgcgg tggttcatgc 180
 ctgtaatccc agcacttttg gagaccgagg cgggtggatt gcctgaggtc aggagtctga 240
 gaccagtctg gccaacatgg tgaaa 265

<210> 13690
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 13690
 ataaaaggaa ctagtctcgg caaaaacccc gtaattgcga gcgagagtga gtggggccgg 60
 gaccgcgaga gccgagccga cccttctctc ccgggctgcg gcagggcagg gcggggagct 120
 ccgcgcacca acagagccgg ttctcagggc gctttgctcc ttgttttttc cccggttctg 180
 ttttctcccc ttctccggaa ggcttgtcaa ggggtaggag aaagaga 227

<210> 13691
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 13691
 gtttagcctg tgggtgggccc tgcgggtggt tgcaggaggt tgcagtactc gctgggctga 60
 ggtcgtctcg ggtgaggagg tcgcgccgga agtggctcta gccgtggcgc ctccggcgtag 120
 taaggagcct gcaacagagt tttgttgttt agggggcgcg gcaccgcacc gnncccttca 180
 ccttgcagca gccatggcga aaggcagagt cgcc 214

<210> 13692
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 13692
 cgtgatccac cgcgcccggc cggtttctta aataagtcga ctttgggtgg actgaatcta 60
 actctgccgt ctcttacaag gtccatgac acccaggaca gaccaagccc tcagaacagg 120
 cccctttttg gtgtttatag catctgcact aatctagaga aatgggtggg caggctaagc 180
 tactgatgct gctgctaatt gactcaattg ctaattgagt cccggctttt caacagatag 240
 aatgtgtttt agctacactg tatagaagggt ttcattttgg ttgtgtgtgt sttgattctc 300
 tttgggctct ggt 313

<210> 13693
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 13693
 atatctttta catctggact tcagtaagcc agtcttattt gcacagtgc ccagaattcc 60
 taataaaaata ttatttatgt attattttaa atactacaga tttttaact ttgaaatgtg 120
 atatattgga aaaacagtaa atgggaagag ctgtgatana acca 164

<210> 13694
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 13694
 catattaggr gttctaagac atctttttta atagattgat ttttaaagggt ggaaataaag 60
 gttcagggtc tgacaatata acagatatca gagattttgt tggagttttc accatgcact 120

gataagtcta ggctc

134

<210> 13695

<211> 355

<212> DNA

<213> Homo sapiens

<400> 13695

aacagatcca	ggctgtctct	tgcggtgctc	atgcacntac	cgtatcgta	tcaacgtctc	60
cgaggcagat	tgcgtgcggg	aagaggctcc	cgctgaactc	cagcgccacg	cgtgcacgta	120
gctaactgac	ctcatggcac	ctccaagagc	agagggagcg	gagaggcca	gtaaatatkc	180
cctgaacccc	cgtcgcgaca	sccgccagag	cggaaggcca	cctaaggcag	caagttacgt	240
cactgacctga	acctccaatc	tctgcctctt	cctsnittaa	ccttacagag	gaggcgggtc	300
ttccgggctt	ggaggcgggc	ttcccaactt	ctgatcaaga	cttsgtttga	aaaag	355

<210> 13696

<211> 190

<212> DNA

<213> Homo sapiens

<400> 13696

agaatctgcg	gasctgcggg	acggcggtgg	tggcgccgta	garcsgrac	agtgttgta	60
agtgttttgg	gcatgcacgt	gatactcaca	cagtggcttc	tgctcaccaa	cagatgaaga	120
cagatgcacc	aacgaggctg	atgggaacca	tcctgtagag	gtccatctgc	gttcagaccc	180
agacgatgcc						190

<210> 13697

<211> 188

<212> DNA

<213> Homo sapiens

<400> 13697

attataattg	atcctaagtg	caatcattat	attgaatgtg	ctgtgtgtat	ttgtaggagc	60
tgtatttttc	ttaacagatg	ctgtctgtta	gccttttctt	tatcttacag	tttaaatttc	120
aagcatttat	tagagtaact	gcatgaatgt	ttacacacac	ataccctggc	ctaagatttt	180
tttttttt						188

<210> 13698

<211> 117

<212> DNA

<213> Homo sapiens

<400> 13698

aaattgtttt	ttgtcttttg	ttgttcagag	aacgaccaga	gtattttctc	cccagtgtgt	60
cccaacagat	tcttaggcaa	taatttttct	tgttgatgat	cccgtgctca	gtagcac	117

<210> 13699

<211> 132

<212> DNA

<213> Homo sapiens

<400> 13699

ctcttcgccc	gcgcgcgccc	tcgcagtcac	cgccaccam	cagctccggc	accaacagca	60
gcgcccgtgc	caccgcccac	cttctgccgc	cgccaccaca	gccaccttet	cctcctccgc	120

tgtcctctcc gt

132

<210> 13700

<211> 373

<212> DNA

<213> Homo sapiens

<400> 13700

aggtaagaga	tggcatggaa	catgcgcaat	gtccagaaaa	tgtatgcaga	gccacgaagc	60
tgcaggagt	gggagaccgg	attgggctga	cgcagcagag	tagggatttc	cttgcagtgg	120
aaggattaag	caaagaagga	gacccccagt	gttcattcat	tctgttgccc	ttcagattga	180
ggaaattgag	cgagagatca	tcaagcagga	ggagaatgtg	gaccctgact	actgggagaa	240
gctgctgagg	catcactatg	agcaacagca	ggaagaccta	gcccggaatc	taggcaaggg	300
caagcgggtt	cgcaagcaag	ttaactacaa	tgatgctgct	caggaagacc	aagacaacca	360
gtcagagtac	tcg					373

<210> 13701

<211> 143

<212> DNA

<213> Homo sapiens

<400> 13701

ctaattttta	tcagtctggg	ataaagtatt	gatctaagag	aactctccct	gtgccccttg	60
gtctttattc	tcaattaaga	aaaacagtca	catgtcacga	caaaccaatc	aatctttatg	120
agatattcct	gtatccatac	ccc				143

<210> 13702

<211> 169

<212> DNA

<213> Homo sapiens

<400> 13702

cagctttggg	tacctcataa	ataaaacatg	atatatactt	accttgtaag	gtaggctgtt	60
gagaagatta	aatgagaaaa	catataggaa	acagcattct	gaaatgtaaa	gtgccataca	120
agcgtttatt	acaagaaatt	ttaaactaac	aaagataaca	ataggaggc		169

<210> 13703

<211> 299

<212> DNA

<213> Homo sapiens

<400> 13703

aaaaattcac	atcctgtgta	atcataaata	ctgctctaag	aaagggacag	gaagtctcag	60
aggctggaga	gcagagcacc	aagatcggtc	tggcaggaac	agccagtggg	aggttccagc	120
tgagcgctcc	ccagagggtga	gctgatcccc	agccacagca	cacaggacca	ggatgcgaga	180
acaggtagam	accttggttt	agatcatgac	ttntggggma	gattgtgtgc	ttttgaaaag	240
acagccaggg	aattggatta	tyatcctgtc	tctgattcyt	gaccacctgt	gagagttgg	299

<210> 13704

<211> 134

<212> DNA

<213> Homo sapiens

<400> 13704

tttgtttatc caacagccat ccatgggtac cccaagggcc agctctgttc taggcactgg 60
 gggctctaggc atgggctcag gagaaggggt agaacgggag ggcttcctgg aggaaggctt 120
 cctaaccaga gacc 134

<210> 13705
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 13705
 gagccacagt ctggcgtctg acccttcagt gcaggccagc ctggcagctg gaagcctccc 60
 ccacgccgag gctttggagt gaacagcccg cttggctgtg gcatctcagt cctatTTTTg 120
 agtTTTTttg tgggggtaca ggagggggcc ttcaagctgt actgtgagca gacgcattgg 180
 tattatcatt caaagcagtc tccctcttat ttgtaagttt acatttttag cg 232

<210> 13706
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 13706
 aggttagagc ttgtttgagg gattaaagaa tgttggcatg gtcggtgtta aggataaaca 60
 gtgaaagcgt accctgtgct tcaacagcct gcctgtcac ttcctgaat 109

<210> 13707
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 13707
 ccagtgtgtg cctgctcccc tgggcgagac acacgagtc catgcggtcc gactctgcag 60
 agccagggag gccgaggtgc tgctgggct gagagagcag gccgccctgg tcagtaaggc 120
 catcgatgtc ctgggtggctg atgccaatgg cttcacggt ggctccggc tgtgtctgga 180
 caacgagtgt gctgacttcc ggctgcatga ggccccgac aacagcgagg gccccagga 240
 caccaagctc atccatgcca tcctgggtgc cctgagcgtg ctgcagcagg agctgaatgc 300
 cttcacgcgg aaggcagatg cagtccctcg gtgctctgtc aaggaacagc a 351

<210> 13708
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 13708
 agcggggcgt cacctcggac atacgacagc gggcgggtgtt cccggctccg tggggccgctc 60
 ttcccggcga gtccgcgacg gtccgcgcc acggcgaggt acgaggtttt aaaaagtttt 120
 taatttgaa ggcagggtgc ggtgggtcac gcctcggcct cccagagtgc tgggattttac 180
 aggcagtagc caccgcgccc ggctgtttt tttt 214

<210> 13709
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 13709

tttgtgtgtg	ttacagctct	tttagcctcg	acattcagca	ggtcccaagt	tcttgtcctg	60
cgacttggaa	gcatgatata	tgcagacaag	tggagggtga	gcaagatgaa	gagaagattt	120
attgagcaat	agaacagctc	agaggagacc	cccagtgggc	agcttgtctc	catagccaag	180
gtgtcccatc	aagtgtccag	ctctcagcag	agagggtggt	tcctctttgc	agcaacttgt	240
cccatcattt	ccttagttct	caacagagag	gagaccctgg	gatgggcagc	tcnctctgta	300
gcttgtcatc	ccgtcatctc	cccattgtct	ctctatcctc	tgtcaagtc	tggtgagtc	360
ctgggttttt	atgagcctca	gaggaagtgt	atgctgattg	gtccatgggt	gaca	414

<210> 13710

<211> 303

<212> DNA

<213> Homo sapiens

<400> 13710

ctctctggcg	gtggtggtta	agacggcgaa	ggcggcagcg	gcggcgacag	ctctgggggtt	60
tgcgtctcgg	ggtgtgtcgg	ccgccgctgc	tgcttgggcc	tggtatgtac	agatggctgg	120
ttaggattct	cggcaccatt	ttcgttttct	gcgaccggtc	ggtgccccct	gcccggggcc	180
tcctgaagag	gcggcgctca	gacagcactc	tgttttctac	agtggacact	gatgaaatac	240
cagccaaaag	accaagatta	gattgcttta	ttcccaagtg	aaaaacagtc	tctacaatgc	300
tgc						303

<210> 13711

<211> 398

<212> DNA

<213> Homo sapiens

<400> 13711

agaggctgag	gtaggagtgg	agagagaaaag	ggagcagggc	ctaggagggtc	ctgargtgca	60
ggctggccgc	tgaaggttca	ggatcttccc	ccacgcggca	ggacatccgc	caaggttccc	120
agatctgaga	cggcgcacct	cctgcgtgtc	cttgacggca	ggtggtgcgc	cgtctcagat	180
gctttgggga	atctttaaca	gctgaatttg	agtcagtcct	cttaggctgc	acctccagcc	240
tctgcagatc	ccccctcatt	tcccatggnw	tggttgggrc	cccattattc	tctcatctcg	300
gcattcaggg	aacagtttcc	ttagcggnc	ctggtcacat	gtcatcgggc	tgggcaggaa	360
gcgtccctgg	gtgcgtgtct	cacttctccc	tctcagga			398

<210> 13712

<211> 222

<212> DNA

<213> Homo sapiens

<400> 13712

ctttgttctt	ggttttgttt	ctcgatcttt	tgtttgaga	acagctggct	aaggatgact	60
ctaagtgtac	tgtttgcatt	tccaatttgg	ttaaagtatt	ngaatttaaa	tattttcttt	120
ttagctttga	aaatattttg	ggtgatactt	tcattttgca	catcatgcac	atcatggtat	180
tcaggggcta	gagtgatttt	ttccagatt	atctaaagtt	gg		222

<210> 13713

<211> 128

<212> DNA

<213> Homo sapiens

<400> 13713

agaacaggaa	gcggaggcat	aagcagagag	gattctggaa	aggtctcttt	gttttcttat	60
ccacagagaa	agaaagaaaa	aaaattgtaa	ctaatttgta	aacctctgtg	gtcaaaaaaa	120

aaaaaaaa

128

<210> 13714
<211> 215
<212> DNA
<213> Homo sapiens

<400> 13714
aaaactgggc ttgggaacag gaaggctttg cccggtttatt tggattctca gggtagtcga 60
ytttgccacc tcttggtat cagctgcctt ggagattggt ttcataagtaa ggattctttc 120
tttaaggtga tatggagcaa ctgctttcac agggggacca gcccctttgc ttttactctg 180
tccaaagtta acatgtcact gaaaaacgag ccacg 215

<210> 13715
<211> 250
<212> DNA
<213> Homo sapiens

<400> 13715
gcacgtgtgc tagcccaggc aggagggagc gcctcggcgg aggagtcaag gaagaggggg 60
agggagaaac gcgccagaac ctcgggcccg gcgccctcgt cggccgcgga ggagctgcag 120
cctccaacag gaaggtgtgg tccctgccat gctatctgct ctgctcagcg actgaaggtg 180
cccgcattccc agctctgccg ggaagcaaa ttacagatga gaaaactgaa gctcagagag 240
tgaaaggact 250

<210> 13716
<211> 187
<212> DNA
<213> Homo sapiens

<400> 13716
acggatgtat tataacaatt ttaaggttac acttgctcct tcttgaacag gacaattctt 60
tattctaaga ctatatgctt catagtttta gttattttga attgtccatt ctgttatgaa 120
atacgatagt tattgttggg tgatgtcctc tctcagaaaa ataaaaaatt agcagtccta 180
gtagat 187

<210> 13717
<211> 192
<212> DNA
<213> Homo sapiens

<400> 13717
agacctttta gaagtaatt aggccatgag ggcagagtcc tcatggcatg ggattagggg 60
cttataacag gacttgagtc ctctataagg aacggagagt tcacctttcc ttcccttctg 120
ccatgtgagg acacagcgtg tgtcccctct gaaggacaca gcgacaagcc tccattttgg 180
gcagagagca gc 192

<210> 13718
<211> 130
<212> DNA
<213> Homo sapiens

<400> 13718
atatgggtggg gcgcggggcg tgctgctgtg gggagctggt gctgtttctca gatgtttcct 60

tccaatgggc ttttgggtgta ggatgtcggga gaaccaagaa caggaggtaa gagtatggtc 120
 tgcagagaac 130

<210> 13719
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 13719
 aagggcgagc ggcgcgggcag agtgcggcgc agccagctcc tgaggttttg gttatgaaca 60
 ggattcggat tcacgtcttg ccaaccaatc gggggaggat cactccagtg cccagggtctc 120
 aggaacctct gtcttgtgca ttcactcatc gtccatgctc tcaccctcgt ctggaggggc 180
 aggagttttg cattaagcat atccttgaag acaagaatgc amccttcaag cagtgtagtt 240
 atatatcgac gawgaatgga aaaagatgtc ccaaagtctg ccccaaagcc agagaagaaa 300
 gatgggggtgt ccttctgtgc tgaacatgt 329

<210> 13720
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 13720
 agcttggtta aaaacagtta tggcagtgagg agtcgaagcg agggctctgaa gttcacgact 60
 actagaaggg gaggggagtg gaaakgctct cagtgaaaaa ggtacagtaa ataaatgtcc 120
 agggatattg ggggctggga agttgaataa atggctctaat ctaggctgga ggccataagg 180
 gggaaaacag ttgattctcg gaagctctgc cttctcccc tctctagtgc gaatcactga 240
 ggcgccattt gatttctcgt ttcttgcattg ttttggcagt ttacagtgc aataacggta 300
 ccttgatgt stgtagagtt ttgtgtgcatt atacaaattc tcttaactag gtttaatttc 360
 atttgckctt taccacccta ctccccagag awtaata 397

<210> 13721
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 13721
 aatctattga atatatcacc catatttcta tacagtcttc tattccattt ggccaacagg 60
 tatgtgcaca ggtgaatgca tgttctttct ggaagaggag aggncttttt t 111

<210> 13722
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 13722
 gaatttccgt ttccggyggt gtccaakcsg acctraggag tcracgttgt garcagrtta 60
 garttacttg ttattggtaa atagccacta tggagactaa ggaccagawg aaacacagaa 120
 agaaaaacgg tagacccaaa gctgcaaaga aaaagaagtg ggcatctgca gggatctcca 180
 gctaggagac taagaaaaatg cccagaagag aaatgccaat gcttttgcatt ttcagtctgc 240
 tgtgtggatg tctcgatcct ttcacaggac tctggatttg aagacacaaa agcatcatat 300
 tccaatggtt gatggaactc cactagagcc gccaccaata ccggtagtgg tgacggggcc 360
 tccaaagttg gaaagagcac tttgatataa tgcctcattc ggaacttcac ctggcagaag 420
 ttcaccgaga 430

<210> 13723
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 13723
 gaagagatgc cacttggcgg ccatggcagc ttagtatcg gcgactccgg gtcaaggccc 60
 ggtcgagtgc agtaccatgg gcagcaccgg gtataggcca gagacagctt tgtgtcaact 120
 ttgctgctga acccctagga cccatcgta gagacctgca ggactccttt cctcatccca 180
 ggctcggagg agagtttgct gggactgggt ggctggtttc ctgctctggg gggcggatca 240
 ccttcggggc cgctcttgg agacaggggc gcctagggaa cgaacaggtt cgcttgagtc 300
 attaccgcg cgccgcctaa gacattgygc caccctcaat 340

<210> 13724
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 13724
 tttgacaaaa agttttgtac ttttcacata gcttgttgcc ccgtaaaagg gttaacagca 60
 caatttttta aaaataaatt aagaagtatt tataggatta aagtgacttc atttgtatac 120
 atttggaatc taaaccagct taaaaacagt ttcttcaatg acttagatac acagtataac 180
 tgatgctctt ctggaatacc acatgagaca tggtcagaaa cagtgcctgg aaggacatta 240
 cacaagaaat tcagagtaat gctttgaaga tttccccctt tttgttttat tcctgaagga 300
 acatcagtac ccgatcttga agaaattcaa gattcaaaaa gaattttaaa tacaccaaca 360
 tgagacatca gtagtcagtt ggttttcagt aaagcttggt ccaagttggt ctcaacttag 420
 gaagtaattt tgggtgtgatc tagcaaaa 448

<210> 13725
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 13725
 gaccagaagg ctgagtgggtg gtgacctaca agaagaagaa ggggaagggtca taacagtaat 60
 gacttggagt ggagaggccc tgcagggttg agaagttcag tgtgggtcac catggagtgt 120
 cagagtgagg gagatgactg ctgagctccg agaggtgaac agagcccctg gaaaatacta 180
 atgtccgtca gtcaacaaat acttgcagaa tgctagtgt aacagcattg tgcttggtat 240
 tgtggactct ccagagatgt gcatcacctt gttcctgcc tctgaagtgt cctagacttc 300
 tcaacgaaga ggatattggac actaatcaag ttaaacagc 339

<210> 13726
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 13726
 accagcagcc cctaggagcc cagcgcggcc gccatgtcct ccggggctag cgcgagcgcc 60
 ctgcagcgct tggtagagca gctcaagttg gaggctggcg tggagaggat caaggtctct 120
 caggcagctg magagcttca acagtactgt atgcagaatg cctgcaagga tgccctgctg 180
 gtgggtgttc cagctggaag taacccttc cgggagccta gatcctgtgc ttactctga 240
 agactctagg agagaagttt gctgaggaat gccttcaagc acaaagtgat gaatgactgc 300
 cttcaagtct caagaaaaca cttttcccta acttttagag atatttcagc cttttcctgt 360
 ggcctgggtcc tatagccaaa atcacagata ttcatgagsn nctacttgag tgagawanng 420

ggtgaaggaa tagaatttta aatagtaata actgcttggt ttttttgtgc aagtactttt 480
 atacata 487

<210> 13727
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 13727
 caagttgtca agtgcattca ctttagtgac tatacatcta taattaaaag aattattccc 60
 aacagtcata gtcagtcag tagctacaat cttgtatatc acaggaaaca agatacttgt 120
 gttttgtata taatttttat acacacaatt cttttttttt tt 162

<210> 13728
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 13728
 ctctcgctaa ccgtagcgct tttcgtgaag gcccggttt ttacagcaact tcgctttttct 60
 aaccacgaac agtgctcggt cgctcgagg gccagcaagg agagcncgc nccccccgc 120
 cgscg 126

<210> 13729
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 13729
 aacagaattt gttggcatgt tctacacaca gaccatggct tttcagaagc caagctgaat 60
 aaaaacagtt ttaaaagagg caa 83

<210> 13730
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 13730
 tacatatagg ggaatccgag gctcaggctg gctgtgtcag tcccctgggg tattagagta 60
 ggggccagct ctgcctggcc ctgccttaga acctggggac acagcctcag ataaggcaca 120
 ggaatgagtc agcagaccat tcagggtggca gtgacaagga cggagatggt aacagtggga 180
 cacacctact ga 192

<210> 13731
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 13731
 ctgtaggaca atttttgact attcaattta tgtaacagtt acttgctatt tcctcttgaa 60
 tcgaatttca taactgataa cttttgcaga atttactgtt ttaattttca aattaattgg 120
 gsaaaatttt ttataccatt gcacatactg atccatctgc tggatcatct atttggcttt 180
 ttttttttta ag 192

<210> 13732
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 13732
 ttattgttat ttttttgaga tggcgtctcg ctctgtcgcc ctggctggag tgcagtgggtg 60
 cgatcttggc tcactgcagg ctccgcctcc cgggttcattg ccattctccc gcctcaggct 120
 ctggagtagc tgggactaca ggtgcctgcc aacacgcctg gctaattttg tttttgtgtt 180
 ttttagtagag atgggggtttc accgcgttgg gcaggatggc ctgatctcc tgacctcgtg 240
 atccactcgc cttggcctcc caaagtgctg ggattacagg tgtgagccac tgcacccagc 300
 aaaacccttc attattatgt gaaatttcaa acacggaagt atagtcattga actaccatgt 360
 acctatcaat cagattcaac tactgtaaca gttcatggct agcattactt cgtttcccct 420
 ttcagatgat ttcgaagcaa atcttggaaca tcattttac 459

<210> 13733
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 13733
 attattactc ttctgataga tgagcaaatt gagattccag aaagacctca cagccagcaa 60
 gttggagagc tgctttttga tgctagacag ttggcctctg gcctgtaatc ttaatacccc 120
 agaccatctt tccatgtggc cctcatagga cctagaacag ttgctcaggg gaatcccggg 180
 gcaagagatg agcacagggt ggagattctt cgcagactgt ctgcagctca cgtaagggtg 240
 cgagggaagtg gctggagtgg aggaag 266

<210> 13734
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 13734
 cctcagagct cacatgatag gatatagtta gtgatgacat tttgctcttc ttgtgggaac 60
 acacacttca aggaggagat agtgactttg agataggaac agtttaagat gcagtgtgag 120
 tctggcctgc gtgcggtgag gaggccccgc caagagactg gtggacatct gactgggatg 180
 tgctctcaag taggacgtca tcaggacaga ttctgaatag gcatcatgag agtgctgggtc 240
 agaaacggct gccacttttt ttaattttaat tttatttttt atttaaagga aggaacaata 300
 gctaggttaag atttttatca gctttctctg tctgaatcca gtttttcctc tgtcagtcct 360
 ggaagcttga atagaattat attgttgaag ccttcagggtc acaaactgtc ttttgtaacc 420
 tcctgtccct cctaaaacac gcsaaccctt gcagtcaaat cacattagta atctgatttg 480
 ctga 484

<210> 13735
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 13735
 cagactctga nacatgcagg gcacgacaga gaagatggcg aattagaaga tgggtgaaata 60
 gacgatgcag gatttgaaga aatacaagaa aaagaagcaa aagagaatga aaagcagaaa 120
 agtgagaaag cctacagaaa atcaagaaaa aaacataaga aagagagaga gaagaaaaaa 180
 tccaaaagga gaaaacgtga ganacataag cataattccc catctagtga tgatagttcg 240
 gactacagcc ttgattcaga tgttgaacat acagaaagtt ccataaaaaa aagaactggt 300

ttctacaggg attatgacat tccatttact cagcgtggac atatatcagg aagctacata 360
 acatcaagaa gggatcaacat aacarratt tncagtriwa gaatatgccg ngtwcagcac 420
 ctacagtgat gacaacttcg gtaactacag tgatgc 456

<210> 13736
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 13736
 tgaaagcaaa gtaggcattc gacaaaagtt gctttttccc ttctgcattt taggacctca 60
 agtaattgtt atccagaaac tgctatcata ccagggtattc attgtgtatt tarcaacata 120
 ggcattgcaat ctggsaaatt tgaaaaactc ttaacataca ccccaaatcc ctgccccaat 180
 ttaagaacta ggggtggacac agtgcgtttt tccatgtcgc atcttctgtg atggggctac 240
 gatacgtggg 250

<210> 13737
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 13737
 tcagtgtgtg tgaaccacat cttactaaga tgctttgctt gctgtggcac tctaaactct 60
 cttgcttgct tccatgacaa tacatccagg tgatctcaga aaattgtgca gtgaataggc 120
 tactgtgaaa ctacgacttt cctctcatta tacaccagca atacatacag ctcaacagtc 180
 tcagtttaat gacaagaatg taggatttca caagcttcta accataaatt cagcttttca 240
 agagcaaatg ctttgaggat cgtcttaaga attataaaaa aactattgtg agagatctgc 300
 aaatttaggt ttaggccact gctgatatcc taaactaagt gagatctgta atgtctgcaa 360
 gttagtgcga ggtgaggaag gaaagcagca ccagtatcca caggacacca gcaccatcca 420
 tggagttctc magggscact caaaaaagcc 450

<210> 13738
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 13738
 tttccaccga gctgagccgg agctggcaat tcgctctgtg gggttccac aggaacatcc 60
 cagtatctta taggggtatg tgctaaccgc tgtgtgtgaa ttctttgtaa ctgtctgtct 120
 ctctcgctcc agtctcatca cactataatt tatgtacgac ttaattatct gtttattctg 180
 cacttctccc aggaaatttc catgaagttg aggaagtgtc tggacctgca gcattaagac 240
 gttaaaacaa acaaaccctg gccaggcgcg gtggctcacg cctgtaatcc cagcactttg 300
 cgaggctgag gctggcggat cacttgaggt caggagttcg aaaccagcct ggccaacatg 360
 ntwaan 366

<210> 13739
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 13739
 aattcactcc acctgatctc ggggcgctgt gcgtgaggaa ggcgcgggcg agccggagca 60
 gaagaaggag ggagggagcc agccgctgca gccaccaccg ccaccatgtc ctaccaaggc 120
 aagaagaaca tcccgcggat cacggcaaat gagawacaaa taagaaagac cttggaaaac 180

ccagagaaat cgactcctgt attttcagac tccttttgct gtgaagtcct tctttcatca 240
 acatatgcct atttcaatat acgaaacaca ga 272

<210> 13740
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 13740
 atattgcaga gaagcacctc atttcccagg cttactagtc taacttagcc acatgtgttt 60
 taagaagcag cagtaagtaa catccctgtc agttgttctt ttcagca 107

<210> 13741
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 13741
 ctctctcttc cgccgctcgtc gccgccatcc tcggcgcgac tcgcttcttt cggttctacc 60
 tgggagaatc caccgccatc cgccaccatg gtgaacttca cggtagacca gatccgcgcc 120
 astctttttg cctggaacgg gcccatagcc ccccagcctt gcgcagtctc ggctcccccc 180
 gagaagatgt cacctttgct aactctcctg ccccatcctt gctcctgtct ctgactcctc 240
 tgcctttccc agaacacagg gagaggcttt ctctgaagtt cccttatctg accaagggaa 300
 gtttcttcag aaggaatgca gttgtcttgg gccctctccc tacaatctca ttaaacagag 360
 aagattaact cacaggaaag gagactggag ttgaca 396

<210> 13742
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 13742
 ctctctcttc cgccgctcgtc gccgccatcc tcggcgcgac tcgcttcttt cggttctacc 60
 tgggagaatc caccgccatc cgccaccatg gtgaacttca cggtagacca gatccgcgcc 120
 ctctctcata tcacaaataa agttacatta tatcccttag ctgacctgtt aatttttcta 180
 cagttgatgt gacagtgtct ccattctatg atgaagaaat gaatttaagt cacacata 238

<210> 13743
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 13743
 ctctctcttc cgccgctcgtc gccgccatcc tcggcgcgac tcgcttcttt cggttctacc 60
 tgggagaatg aggaaggagg gtgtgttaac caaccaaggg agtgggcccc 110

<210> 13744
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 13744
 tctctttcgc tgtttgagag tctctcggct caaggaccgg gaggggtgtga taggtataca 60
 gctgggtgtt accatggtga tggccagtgt catgcagaag attatacctc actattctct 120

tgctcgatgg ctactctgta atggcagttt gaggtggtat caacatccta cagaagaaga 180
attaagaatt cttgcaggga aacaacaaaa agg 213

<210> 13745
<211> 240
<212> DNA
<213> Homo sapiens

<400> 13745
aagagccggg cgggggcccgc cggcgccgca tccctctcta cctgccaaca tcctgtatta 60
gagaacttgt ggccggaggt gtggctgtgg agagctggcc ggggaggagac gctgctcagc 120
tgctkstctg ctctgtctc ctgtccctc ccccggtcat gacagagacc cgtgagccag 180
ctgagactgg gggctacgcc agcytggaag aagatgatga agacctttcc ccaggccccg 240

<210> 13746
<211> 176
<212> DNA
<213> Homo sapiens

<400> 13746
agctcarcat ccttggaat aacctcaaaa ggccttaggc taatgcacag ggttcttcct 60
tctagtctg actcaacctc ctgacctcat tttatgctc actatgaaaa cacttggtat 120
ttttagattt atgggtctctt tcctatcaact cccctttctt tggttcagcaa aacct 176

<210> 13747
<211> 147
<212> DNA
<213> Homo sapiens

<400> 13747
gtcgcctcgca gccgtcatgg cagcggagga gaaggacctc tgagctattt tgcggcatac 60
gggagcagca gctcaggctc ctccggacgag gaggataaca tcgagccgga ggagacgagt 120
cgcagaaccc cggatccggc gaagtcg 147

<210> 13748
<211> 326
<212> DNA
<213> Homo sapiens

<400> 13748
gcatgcgccg acccggcgca ttttggtggc cgggcgcgga ggtgattcca cactgaggcg 60
agcgcggcgg ccggggtggt agtggcagtg ttcgtgtgct caggtctgaa tcgccgaggg 120
aggaggcggg ggaggaagag gtggcggcgg tggcgggtgg cgtagcggtg gcggaggagg 180
cgggtacgaa tcagctgcgg gcggagacat ggccaacatc gcggtgcagc gaatcaagcg 240
ggagttcaag gaggtgctga agagcgagga gacgagcaaa aatcaaatta aagtagatct 300
tgtagatgag aattttacag aattaa 326

<210> 13749
<211> 285
<212> DNA
<213> Homo sapiens

<400> 13749
gttgggggca gccaggcctg gctcgagagc gaagtcgtgc gcggcccggc agtgcgtgcaa 60

ccgctacagc	agccgcagga	agcagctcac	cttccaccgg	tttccgttca	gccgcccgga	120
gctgctgaag	gaatgggtgc	tgaacatcgg	ccggggcaac	ttcaagccca	agcagcacac	180
ggtcatctgc	tccgagcact	tccggccaga	gtgcttcagc	gcctttggaa	accgcaagaa	240
cctaaagcac	aatgccgtgc	ccacggtgtt	cgcttttcag	gacccc		285

<210> 13750

<211> 339

<212> DNA

<213> Homo sapiens

<400> 13750

gttgccgttt	ccgggtcacc	caggcagctt	gtggcggcga	acatcgggtg	tcgctgatgt	60
ccagtctatg	gagtcagttg	gtaccggtgg	cggcgcggag	gcagaaggcg	gtgtccgagt	120
aggggcctct	gccccaccag	gatgttaccg	ggcttggccg	ccgccgcggc	ccacagatgt	180
agctggtcct	ccctgtgccg	gctccgtctg	cgatgcaggg	cggcggcctg	taatcccagc	240
gaccgccang	agtggcagaa	tttagtgaca	tttggaaagt	tttcamrcgt	ggttccctgt	300
agtcattcat	atattggtam	cctgagtcaa	gtaaagtgtg			339

<210> 13751

<211> 140

<212> DNA

<213> Homo sapiens

<400> 13751

gtatattagc	actcaacatc	tattccagct	ccttgggata	cttagtttac	ctctaatagt	60
ctctacttaa	acttggggcc	tgacaaaact	tattaatgct	tgatcacctg	acctcaagtc	120
ttgtcatttc	ctgttccccg					140

<210> 13752

<211> 255

<212> DNA

<213> Homo sapiens

<400> 13752

atttaacaaa	cttttagtga	acatctgtag	tgctagaatt	acatagacta	aggtcactgt	60
taaggcattc	tttgaatagc	aaggaagata	ggagtgatat	gtgcagtggc	agaaggaagc	120
ctaggaagct	gtgggaagtc	ggaggagtgt	cttgtaacct	agccagttag	gggtgatgtc	180
agggaaaggc	ttccagagga	catgacagca	agtcagagaa	gtgaaggatg	agtaagtnag	240
ttggaaggag	gttgg					255

<210> 13753

<211> 444

<212> DNA

<213> Homo sapiens

<400> 13753

gatgtataat	agagtatacc	cgttacttaa	aaagaagtct	gaaatgttcg	ttttgtggaa	60
aagaaactag	ttaaattttac	tattcctaac	ccgaatgaaa	ttagcctttg	ccttattctg	120
tgcatgggta	agtaacttat	ttctgcactg	ttttgttgaa	ctttgtggaa	acattctttc	180
gagtttgttt	ttgtcatttt	cgtaacagtc	gtcgaactag	gcctcaaaaa	catacgtaac	240
gaaaaggcct	agcgaggcaa	attctgattg	atttgaatct	atatttttct	ttaaaaagtc	300
aagggttcta	tattgtgagt	aaattaaatt	tacatttgag	ttgtttgttg	ctaagaggta	360
gtaaagttaa	gagagtactg	gttccttcag	tagtgagtat	ttctcatagt	gcagctttat	420
ttatctccag	gatgtttttg	tggc				444

<210> 13754
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 13754
 agagcga gct taacggatta ataagcgcag caggccagct ctgggggtctc ggcagggtggt 60
 ccrcaacatg acctctgagt tcttckctgc ccagctccgg gccagawct ctgacgacac 120
 cactcaaccg gatctccwac tacaagcccg agttctacac gccggttgat gggggcactg 180
 ctcacctgtc tgtcgtcgca gaggacggga gtgctgtgwc cgccaccagc nscatcancc 240
 tctacttw 248

<210> 13755
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 13755
 ggacacgccg cgttgtgggt tctcggcctg aggtgcgaga gaagcgggtga ccgcggccct 60
 ggctgctcgg acccggaac atgatggctg ctggagcaga aggcgctgag aagggaccac 120
 ggcggcgctg ggctcgtcgca gccagtagcg ggctgaaacg tagaggccag aaccaggtct 180
 cagggggcac taaaggcggg cggaggtaat cccacaccg cttctcctg gaagtcaggc 240
 tggccgggag ctcccgatc caggacgggt ggctgcctct ggcctggcag ggatcctagt 300
 gtctcgggac ctcccggtga cgcgcctgct tcccctgctg caccataggc ccgggagtag 360
 ggctcccca cagcttgag cggcaggggc tctgtgaaatg tttgtcaagt ggataaatga 420
 ccatggccgt ggnctcccg ggaggtgagg aaactgaaag ccaccgagga aaaggggggc 480
 gtccttaag aagtgcgcg gtcacgtgta cgnntcaaaa gaatggcgtg actgagtagg 540
 gaggggaccg cggagaccct cagaccctgg actgtaagga gatgaggggc cgtgaagggg 600
 aaccagga actgagtcct gaaagcaagg aggaacttcc agaataagg gcagccgaca 660
 ctcttctcgt cctttgctca agcgggttct tcaccccgat caangttcct tccatttct 720
 ccatctgggg 730

<210> 13756
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 13756
 gatgccgcag atgtgttagc ggcgagtgca gaagcagccc caggaggtgc tgggggcatc 60
 gtttctctaa tctggcctcc cgagtgccaa ggaggcgctc cggcagcggg catcatggtg 120
 aaggagcagt tccgggagac ggatgtggcc aagaaaataa gccacatctg ttttggaatg 180
 aagtcacctg aggagatgcg ccacagggcg acatccaagt tgtgagtaag aacctgtaca 240
 gccaggacaa ccaacatgcc cccttgctat atgggggtgct cgaccatagg atggtamggc 300
 cccctc 306

<210> 13757
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 13757
 tctcaaattc caaatatcac agacaccctt cacacaagga atataaaaac caccaccctc 60
 cagcctgggc aacgtagtaa aacctcatct atacaagaat ttaaaaataa gctggggcgtg 120

gtggtacaca	cctgtggtcc	cagctactag	ggaggctgag	ccaggaagaa	cgctccagcc	180
caggacttcg	aggctgcaat	gagctataat	tgcattcattg	cactccagcc	tgggcaacag	240
agaccctgtc	tcaaccacca	ccaccaccac	caccctact	acccctgtat	tcaaggtaaa	300
aattgaagtt	gtatgatgta	agagatgaga	aaaacccaac	aggaaacaca	gacacatcct	360
ccagttctat	caatggattg	tgcagacact	gagtttttag	aaaaacatat	ccacggtaac	420
cggtccttgg	caattctgtt	tacatgaaat	ggggagaaaag	tcaccgaaat	gggtgccgcc	480
ggccccact	cccaattcat	tcctaacct	gcaaaccttt	ccaacttctc	acgtcagg	538

<210> 13758

<211> 289

<212> DNA

<213> Homo sapiens

<400> 13758

aacctcacga	ggccttacgt	gcctagagcg	gttcctctcc	gtggcgccct	accgccttcg	60
gcgcgaaggt	ggctggtgcg	taccgtccc	aaccctagga	gccgaggtga	gcgccgcgaa	120
gacccccgac	attaagaagt	ggtgtccacc	gcagccccct	taagccggat	accctcccc	180
acccccgagga	gcaagcctgc	cttcgccac	gcgccgcccg	tcttcgcgc	ccgcgcagaa	240
cctcgcggct	gtgcccgcct	aaagccacgc	ccatcctctc	ttggccacc		289

<210> 13759

<211> 275

<212> DNA

<213> Homo sapiens

<400> 13759

gcggaccgga	gggtgcaggc	gacgggaagc	gcgggtggtc	ggctggggtc	eggctcctgg	60
agaacatggc	ccggcctccc	gggggctctg	gtcccctcct	cgttctaata	cccgattttac	120
aattacattg	aactacaagg	atccccctac	tggagatgaa	gagaccttgg	cttcatatgg	180
gattgtttct	ggggacttga	tatgtttgat	tcttcaagat	gacattccag	cgctaatat	240
accttcatcc	acagattcag	agcattcttc	actcc			275

<210> 13760

<211> 228

<212> DNA

<213> Homo sapiens

<400> 13760

gatccctagc	ggctgcagag	tggaacatgg	cgccctcctt	gccgcttgcg	ttaccagagt	60
ccaccggcc	tcgtgctttc	tccgggcgcc	cgtagctggc	gccggcatcc	acaaaaatag	120
atcagacaga	ggatgaataa	agagsmagct	ccaggctgtg	aagcgtctag	tccttgctcc	180
cctcagaagc	tgggacatgt	tggaccaagg	tggtaaggat	agtgagag		228

<210> 13761

<211> 274

<212> DNA

<213> Homo sapiens

<400> 13761

acatgaccgg	ctttaagcaa	catggcggt	gccgtggtgc	agcgcccg	ctgagcgaca	60
gcaagtgcag	cggtcctac	cccgggtgag	gggtggcctc	cgcgtgggat	cggtccctct	120
tcagcccgt	cctgtcccc	acatcacgtg	tatkccgcac	gtccccctcc	cgtgtgtgt	180
ctactgagac	ggggaggcgt	gacakggccc	gggtcccttc	tcagtgggtgc	tctgtgcttc	240
agggcaagct	ccccgtctcc	gggcgcactt	ccct			274

<210> 13762
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 13762
 gttattgagg aacatggcgt tgctgggtgcg agtccttgtg agtgaaggag taatttttcta 60
 cggtagctct ctgggtcccc gggttgagtt cgacaaggca gggcgggagg aattggaagg 120
 aatcgcagga gggaagcctg tgttatagct aggctgagtg gccgcttttc cgtggggaaa 180
 ctgaggcagc ttccgacctc ttccatcccc gttttgacct tagctctccc atctttcgag 240
 aaggggaaga ctgacatctg gc 262

<210> 13763
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 13763
 gtctctgckg cttccgcctw cccggcatcc cctgcgcgcg cctgssntcc ggtgaccttt 60
 ccgagttggc tgcagatttg tgggtgcgttc tgagccgtct gtcctgcgcc aagatgcttc 120
 aaagtattat taaaaacata tggatcccca tgaagcccta ctacaccaa gtttaccagg 180
 agatttgat aggaatgggg ctgatgggct tcatcgttta taaaatccgg gctgctgata 240
 aaagaagtaa ggctttgaaa gcttcagcgc ctgctcctgg tcatcactaa ccagatttac 300
 ttggagtaca tgtgaaagaa aacgtcagtc tgccctgtaaa tttcagcaag ccgtgttaga 360
 tggggagcgt ggaacgtcac tgtacacttg tataagtacc gtttacttca tggcatgaat 420
 aaatggatct gtgagatgca ctgctacctg gtactgcttt cagtgtgttc cccctcagcc 480
 cctccggcgt gtcaggcata ctctgagtag ataatttgtc atgcagcgca tgc 533

<210> 13764
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 13764
 ccgcataaat ggatagaaga gagaagcacc tgtgctgtgg agtggcattt tagatgcctt 60
 cacgaatatg aagcttagca cagctctagt tacattcyta atgatatggc attaaattat 120
 ttccatatat tatataatag gtccttccac tttttggaga gtagcaaata tagctttttt 180
 gtacagactt agaaattatc taaagatttc atctttttac ctcatatttc ttaggaattt 240
 aatgggtata tgttgtcttt ttttcctatg tcttttggtc caagcaacat gtatatcagt 300
 gttgactttt tctttcttag atctagttta aaaaaaaaaa 340

<210> 13765
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 13765
 agcaacatgt atccagttct tccttagtta ggtaaagtgt gtctttttccc cccttattcc 60
 cttcctccct tctcctcc 79

<210> 13766
 <211> 364
 <212> DNA

<213> Homo sapiens

<400> 13766

ctttccggtg	tcggggcaca	gttgaagaag	cgaccgaggg	actgggagtc	gttagtgagg	60
atgacgcggc	atggcaagaa	ctgcaccgca	gggccgtcta	cacctaccac	gagaagaaga	120
aggacacagc	ggcctcgggc	tatgggaccc	agaacattcg	actgagccgg	gatgccgtga	180
aggacttcga	ctgctgttgt	ctctccctgc	agccttgcca	cgatcctgtt	gtcaccaccag	240
atggctacct	gtatgagcgt	gaggccatcc	tggagtacat	tctgcaccag	aagaaggaga	300
ttgcccggca	gatgaaggcc	tacgagaagc	agcggggcac	ccggcgcgag	gagcagaagg	360
agct						364

<210> 13767

<211> 148

<212> DNA

<213> Homo sapiens

<400> 13767

gaagatatga	gagttagaaa	aatatatata	ttttctacca	caaagtagaa	taagctcaat	60
gggataccta	ggtcttgaat	aaaatgaata	gaattcagat	ttttcccaa	taacattggt	120
tacctcaaca	ttcttatgct	agcttgga				148

<210> 13768

<211> 155

<212> DNA

<213> Homo sapiens

<400> 13768

gaggcctgcc	tgaccgacct	tcagcagggc	tgtggctacc	atgttctctc	gcgcgggtgt	60
cgctgggctg	tcggcctgga	ccttgacgcc	gcaatggtat	ggcagcttgc	gggaagatcg	120
gcaggaccgc	aagggatgga	agagcttggg	cacgg			155

<210> 13769

<211> 300

<212> DNA

<213> Homo sapiens

<400> 13769

agccagtggg	ttcccgcgcg	tgccgagact	ctgaggcctt	gcacccccac	gatcccgtac	60
gatggccgtc	aagaagatcg	cgatcttcgg	cgccactggc	cagaccgggc	tcaccaccct	120
ggcgcaggcg	gtgcaagcag	gcatgagccg	gggcgggcgg	ggcatgtcac	gggacagacg	180
ggcagaactt	taggaagggg	caccatgggg	tcgggcccag	gctgattggg	gccatgagcg	240
ccccagccag	gtgtatgagg	actcaggggc	caaagcaagt	ngccacgggg	gcagaaatgg	300

<210> 13770

<211> 325

<212> DNA

<213> Homo sapiens

<400> 13770

caattctgtg	aattttgaca	aatgaatata	gttctgtaac	catgactact	gttgagatag	60
gaccaattat	atcaccccca	aaattctttg	ttgctgaggt	gcttttttgt	tttttttagag	120
gaaaccaatg	tgtatttgaa	gtcagaaaag	aagaaaccca	tgggaaagga	ggagatgatg	180
gtgttaaaga	ggaaagggtt	gaaggagtga	ggcgtggagg	tggtagggag	gcagggtgggc	240
cactgagaat	gcttcaattt	tgggtgggaag	gaacatttcc	tctcttcccta	tgaagtagaa	300

ggaaggatgg atgcatacat tcagg

325

<210> 13771

<211> 193

<212> DNA

<213> Homo sapiens

<400> 13771

cattctctgt	caacctgtct	ggttgatttt	ctccccacca	tatcactgaa	gtgagactta	60
taacatttct	agtgacctac	ttcttgccag	tggtctgagg	gttctttgtc	tacacccctt	120
cgatgaattt	ttccagtctt	agggcttttag	gtagctttta	caggttgatg	actctcaggt	180
gtatatcccc	cag					193

<210> 13772

<211> 352

<212> DNA

<213> Homo sapiens

<400> 13772

agttttttgt	ttttttactt	atgaaataag	ttttgaccta	gacacaagg	gtatatgaag	60
gaggaaaaaa	atttctttgc	aaaatctccc	aaaacttgct	tttttttccc	ttccacacag	120
gcactattat	aatttttcagt	gccatgttaa	attggattat	ttcatttact	ttaagttagg	180
aattactgtg	taattttatta	attcatgatt	ctcataacat	tcagcataag	tgtagcaaag	240
ttgctaataa	cggaagggga	tcatagtggg	gttgaatgta	actttgaagt	agggaatggc	300
cttttaagtc	tgagagagaa	catttgaatc	cttttcaggg	atttgtgtag	gg	352

<210> 13773

<211> 173

<212> DNA

<213> Homo sapiens

<400> 13773

atacttggcc	tggcgaagaa	gatggcgggc	cccatcacac	acataaaaca	tggcttcctt	60
tcaaaaacaa	aacatcccg	ggccggggcg	cgcggccggc	gytcacctga	ggaccacatg	120
gtgaccgaga	actcgccctc	caggggtctt	atctgcacct	gcttctgctc	cca	173

<210> 13774

<211> 194

<212> DNA

<213> Homo sapiens

<400> 13774

tttattaata	atgtggtatg	tgtatatgta	tattcttttt	taaaaaaatt	ggaattcttt	60
ctatgcattc	catgttacct	tttgtcattg	atgtatactt	tttcttctgt	ctttaatgtt	120
ctttgaaaac	atttttagtg	gtacattgt	gtktaatttc	acagaagtac	aatatatttg	180
aaaataatta	ccct					194

<210> 13775

<211> 93

<212> DNA

<213> Homo sapiens

<400> 13775

acattctgac	ttgtttacag	tacttcataa	aaattatgga	tttattgctt	aactatttaa	60
------------	------------	------------	------------	------------	------------	----

tgaatctcta aaataacatt tttctacata acc

93

<210> 13776

<211> 178

<212> DNA

<213> Homo sapiens

<400> 13776

tacatgtaat	atggaatggt	aatgtactta	taatgtgtat	tgtagtgtaa	agttttatat	60
tcctgggtta	aattttta	ttaggtcagt	ttaaattata	tgtttgccctc	aaaataaaac	120
taaatacaat	cagttggagt	aatcaacatt	tttgtgggta	ctgttgatgt	gttctctg	178

<210> 13777

<211> 146

<212> DNA

<213> Homo sapiens

<400> 13777

agtcggcgcg	tttgggtactc	gcgccctgcag	agctttcaac	ctccgcgcgcg	gctgcgcctg	60
tttctcggcc	aggggagcaa	ggccacgcgg	cctacgcagc	cgagtcggaa	ccaaccgggt	120
gtttggtgaa	acctacccca	gagcct				146

<210> 13778

<211> 361

<212> DNA

<213> Homo sapiens

<400> 13778

atggtctctg	tgtgttctaa	tccctgttca	ttctcattta	ctgtctgaag	ttgaggagat	60
gggatgkscc	agakgatagg	gctcctggga	tttcagaccc	aagaccagca	ggactccagt	120
cacctctacc	ccagcyctcc	aggacacagc	gctcccaact	ctgagtgcg	tcccacctct	180
ggtccttgca	gcacaacca	cgtgggaatc	acaccctcca	gacctccac	agctccaccc	240
cagactgggc	gcgggccctg	cctccatttc	agctgtgaca	acctcagagc	cgtgttgggc	300
caagcatgac	aaggacgtat	gaaaacttcc	agtacttgga	gaataagggtg	aaagtccagg	360
g						361

<210> 13779

<211> 167

<212> DNA

<213> Homo sapiens

<400> 13779

tgcactctaa	gacaaatatt	cttttatttc	tgttaaactg	aatatacaat	tgttccctag	60
gcaaccaact	tttgcttata	actacaattt	aatttcacgt	tgacaaaaca	cagtgaaaag	120
acaactttgt	gaagatctaa	ttacaataat	aaataaaaata	atttata		167

<210> 13780

<211> 251

<212> DNA

<213> Homo sapiens

<400> 13780

tctaagaact	ttatgttttt	aaccaattta	attgtcacia	caaccctata	agataggcag	60
cattatccct	atcatatcta	cgagcaaaca	gagtggctaa	gtagctttct	caggtttctca	120

cagcctgatt cgctgtctcc acttcacttg acacgtctgt ncattctcct ttcaataatt 180
 ctttctgtat aatccagtta cattccacgt cacaccttct gagtcataa tctccccatt 240
 ctaatggcca g 251

<210> 13781
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 13781
 catcttgtgt cggcggtctg gctgtaagga ggtggcaggg acaaccacaa ccacaacggc 60
 cgggggagga gaaggcggca gggcgattct aggcggccca ggcggcgggg aggaggagaa 120
 ggaggagggg gg 132

<210> 13782
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 13782
 cactaagatc aaccacacac tcaaccgtaa agcaattctc aacaaattat aaaaacaaaa 60
 attataccag ccatactctt ggaccacagt gcaacaaaat tataactcaa ttacaagam 119

<210> 13783
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 13783
 atayataggg gtcaaaacgg acacctctga aacaaagaca gattaacaag agaaaagccc 60
 aacaaatata ttcgaccaca gctttacaat acacaggagc cttcggaatg aagacccaaa 120
 gaccaagaa aaagtccgag agggcaacgc catggggctg agctgctcaa tgccctccca 180
 gtgcatcctg ctgcaaggat gccccccagg atgctgcctc acctaaccag ccgctccagg 240
 agtggccccc agccccacc ccattggagct tcgacttctt ggtgaccagt gctccagtaa 300
 cctctaagtg cttgaaccac gcctgtsagc cagttatggc tttggctctg agagccccc 360
 tgaccaactt aaccaatgct ttttttctgt aagaaattgc cacttactgt tggtttctgt 420
 ccgacccggt gagatacttg 440

<210> 13784
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 13784
 ctgttgaggc ctaggcaat taatgcagca gttgcgataa ataaaaacat ctcacctaag 60
 tctccttttc ttcataacat agatactgac atgataggaa gctctcagct tagggaaaga 120
 gaataaattt tagattatag aacatggatt caaaagtgc tggaacaaat tggctgacac 180
 cttactggta acctgctatt cttctgggtg tatccttcag gattgttcca ctaaaattta 240
 tttttcaaaa aatttacttc acattattct atgtaagtga tgacttgta gtgttccagg 300
 tgtatcttag ctaaaactag agaatgccct aacttagatg gtttttgaag c 351

<210> 13785
 <211> 110
 <212> DNA

<213> Homo sapiens

<400> 13785

aggggtgcaaa	tcaggaggaa	gtgttctgtt	tcaaccttaa	ctgggtctact	gcaactcaat	60
tctggcacta	accactcaga	gttagtacag	accctacaag	ttaaaaggca		110

<210> 13786

<211> 202

<212> DNA

<213> Homo sapiens

<400> 13786

cccccaattac	tacctctttt	atatttagtt	gattttttgt	aatgtacaat	tttgattccc	60
ttctttccctt	ttctgtgtat	tttaaagtta	ttttcttagt	ggttacccca	aggtaaccac	120
tttcaacctg	gtttgaataa	taccaactta	gtttcaattc	tgtcttctat	acactactct	180
gcttctatac	atctctgtgc	ct				202

<210> 13787

<211> 437

<212> DNA

<213> Homo sapiens

<400> 13787

agtgatttcc	tctgggttac	ggcgcaggcg	caagataagc	taggagccgc	gcgagtcgta	60
gtgtcgctgt	ttgcgggtct	ccgcgcggga	ccggggcgca	sggggtcgct	gaggcgaggg	120
tgatcatgtc	gacaacgagg	acaattttga	tggcgacgac	tttgatgatg	tggaggagga	180
tgaagggtca	gatgacttgg	agaatgccga	agaggaaggc	caggagaatg	tcgagatcct	240
cccctctggg	gagcgaccgc	agccaaccag	aagcgaatca	ccacaccata	catgaccaag	300
tacgagcgag	cccgcggtgt	gggcacccga	gcgctccaga	ttgcgatgtg	tgccctgtg	360
atggtggagc	tggaggggga	gacagatcct	ctgctcattg	ccatgaagga	actcaaggcc	420
cgaaagatcc	ccatcat					437

<210> 13788

<211> 499

<212> DNA

<213> Homo sapiens

<400> 13788

agtgatttcc	tctgggttac	ggcgcaggcg	caagataagc	taggagccgc	gcgagtcgta	60
gtgtcgctgt	ttgcgggtct	ccgcgcggga	ccggggcgca	scggggtcgc	tgaggcgagg	120
gtgtcatgtc	agacaacgaa	ggacaatttt	gatggcgacg	actttgatga	tgtggaggag	180
gatgaagggc	tagatgactt	ggagaatgcc	gaagaggtca	gtattcagcc	tcaggctccc	240
acctctgcag	cccaagctgc	caaatcgtct	gacaggaagg	ccaggagaat	gtcgagatcc	300
tcccctctgg	ggagcgaccg	cagccaacca	gaagcgaaat	caccacacca	tacatgacca	360
agtacgagcg	agcccgcgtg	ctgggcaccc	gagcgctcca	gattgcatg	tgtgcccctg	420
tgatggtgga	gctggagggg	gagacagatc	ctctgctcat	tgccatgaag	gaactcaagg	480
cccgaagat	ccccatcat					499

<210> 13789

<211> 333

<212> DNA

<213> Homo sapiens

<400> 13789

tgaatgcamg	atttggtctt	aagttgaaga	tgaattatct	ctcatgctca	ttttcttgcg	60
gcagtwtct	tagaaagacc	cccaaaggct	ttgtgattgt	aagcactgtc	atgatcacag	120
aatgcaagct	tctggtacca	tgatcctcaa	cttagagagg	aagaaaccaa	gacagagagc	180
ttactcact	tctctcaggg	aaaattagga	gttgagcaca	ggacaggaaa	tgggctttgc	240
cacttntagc	tccaggcttt	tctaaccaga	cttgatttcc	tcatgttcta	gaaagatcac	300
taatggtcaa	gtggaacang	cactacacga	act			333

<210> 13790
 <211> 101
 <212> DNA
 <213> Homo sapiens

aataacttat	taggaggcct	caagatacgt	attgaattag	ataataacca	gagcataaat	60
gtaatgacag	tkaggtatct	gttattacaa	gattctgcag	a		101

<210> 13791
 <211> 464
 <212> DNA
 <213> Homo sapiens

acgtcgtgcc	ctgcgcgtga	gagctgcagc	ggcagaggca	gcatccagcg	gcggcgccag	60
cagttccagt	ccgttgcttt	actttttgct	tcaccgacat	agtcattatg	ccgaagagaa	120
agtctccaga	gaatacacag	ggcaaagatg	gatccaaagt	aactaaacag	gagcccacaa	180
gacggtctgc	cagattgtca	gcgaaacctg	ctccaccaa	acctgaaccc	aaaccaagaa	240
aaacatctgc	taagaaagaa	cctggagcaa	agattagcag	aggtgctaaa	gggaagaagg	300
aggaaaagcw	ggaagctgga	aaggaaggta	ctgcaccatc	tgaaaatggt	gaaactaaag	360
ctgaagaggt	actttccata	aatacctccc	actgattgaa	tcagtgtctt	taaagaaatt	420
tctcaatcct	tcagccggtg	atagcacggt	cttaatgtct	cttt		464

<210> 13792
 <211> 452
 <212> DNA
 <213> Homo sapiens

acgtcgtgcc	ctgcgcgtga	gagctgcagc	ggcagaggca	gcatccagcg	gcggcgccag	60
cagttccagt	ccgttgcttt	actttttgct	tcaccgacat	agtcattatg	ccgaagagaa	120
agtctccaga	gaatacacag	ggcaaagatg	gatccaaagt	aactaaacag	gagcccacaa	180
gacggtctgc	cagattgtca	gcgaaacctg	ctccaccaa	acctgaaccc	aaaccaagaa	240
aaacatctgc	taagaaagaa	cctggagcaa	agattagcag	aggtgctaaa	gggaagaagg	300
aggaaaagca	ggaagctgga	aaggaaggca	cagaaaactg	aatctgtaga	taacgagggg	360
gaatgaatr	tcataaaaa	ttgggggtga	ttttatgtat	ctcttgggac	acttttataa	420
gctattttta	ccaagtatct	tgtaaatgct	aa			452

<210> 13793
 <211> 395
 <212> DNA
 <213> Homo sapiens

acgtcgtgcc	ctgcgcgtga	gagctgcagc	ggcagaggca	gcatccagcg	gcggcgccag	60
cagttccagt	ccgttgcttt	actttttgct	tcaccgacat	agtcattatg	ccgaagagaa	120

agtctccaga	gaatacagag	ggcaaagatg	gatccaaagt	aactaaacag	gagcccacaa	180
gacgggtctgc	cagattgtca	gcgaaacctg	ctccaccaaa	acctgaaccc	aaaccaagaa	240
aaacatctgc	taagaaagaa	cctggagcaa	agattagcag	aggtgctaaa	gggaagaagg	300
aggaaaagca	ggaagctgga	aaggaaggta	ctgcaccatc	tgaaaatggt	gaactaaagc	360
tgaagagatc	acatctctcg	ctcaactgtt	aatgt			395

<210> 13794
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 13794						
ggcgacgcga	ctccgctaag	tggaaccagc	agaacccaag	gccggccgag	ccaattggag	60
actccttggc	cctggaagcc	ctcgtctgtg	ccgccaagag	acgcggtcaa	ttaacttctc	120
cctgcagcca	ggctctctga	cccggcctgc	ccgcccctct	cgccggtgcc	cgccccatgc	180
cc						182

<210> 13795
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 13795						
gccccgcccc	gtccccgggc	gtctccatth	tggtctcagg	cgtggactcg	gcaagaacca	60
gcgcaagagg	gaagcagagt	tatagctacc	ccggccgcgg	ascggctcac	tgactaccc	120
ccgccccctt	ctttctctca	gacgcggaag	tcgcgggcgc	tcattggcgg	cctggaggta	180
ctgttcgcac	cggcagcgcg	gccatcacct	gcaggcagga	cgcgctcgtc	tgcttcttgc	240
attgggaagt	ggtgacacac	ggttacttct	gcttgggtgt	cggtgaccag	ccgggtccca	300
atgataagaa	gtcagaactg	ctgccagctg	ggtggaacaa	caataaagac	tgtatgtcck	360
ccggtatgag	tataaggatg	ggtccagaaa	gctcct			396

<210> 13796
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 13796						
aaaagtgtcc	tgtgcccaga	acgcgggttag	gaagtgtgtg	catacgtctg	aaccctaaat	60
ggttctcagt	tctgtaaaact	tctccttccc	actgggtgga	gtarggcctt	taagagcagc	120
tggaatgcag	ttccccctkw	cagcgtasca	gttgttgctt	gtctgaacct	ctgccagtc	180
tgagactgg	tgccctgagc	tccaaccagc	gggcctcatc	ctacaccctc	accaccgcaa	240
cttctcacc	gagcaagaag	cagcttccca	gagagaaaga	mcgttccac	ctgcctagcc	300
atgggaagga	cgctgcacag	gccgaaaagt	tccagcaccn	tgggtctgac	atgcggcagg	360
aaaagccctc	gagccccagc	ccgatgcctt	cctccacacc	aagccccagc	ctgaa	415

<210> 13797
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 13797						
aatggtgctt	agcccagaac	caggcttcag	tggtatatct	gcttcagttc	ctttcctaag	60
taggcaaccc	agagcttctc	cacaggcttc	atcttgggtt	tgcagcttca	caggtagcaa	120
agtgatacct	tagcctctgg	catcagggaa	tgagcttggt	accagtcctc	tgctctatgc	180

gggacattta	tttattttta	ttttttatta	ttattatact	ttaagtttta	gggtacatgt	240
gcacaacgtg	caggtttggt	acatatgtat	acatgtgcc	tggttggtg	ctgcacccat	300
taactcgtca	tttagcatta	ggtatatctc	ctaattgctat	snctcccctc	ttccccccacc	360
ccacaacgcg	nnm					373

<210> 13798
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 13798	
gactgtggct	cccgaagctg cttcggggccc cagcgggtgag ggagaagact ctcaaccagg 60
gtgactttcta	ggcgtcctcc cggagctacc ggggacactg gcgttattgc ccggaacact 120
gagataggga	atgctcgaga macagsngca ggttttgggg ttttttttga attactgg 178

<210> 13799
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 13799	
ggaagcggaa	ggttgaatgc gtcgggtggg cacctcagca accagtagcc atgcgcggct 60
tggaggagyc	ggggcctcgg cctacagcga ccccgctcgg ctgcgtkaag ccggctctgg 120
agacaggatt	ttgtttgttt ttcacaaaaa yggtcatttg agctgtaagg caaaagtgc 180
gcctcctagg	ctgaatgggtg caaagactgg agttttttcc acaaggagcc ctcactgtcc 240
caatgcaata	ggactgaccc tggccaagct ggaaaaggta gaagggtggag ctatatacct 300
ttcgngaat	tgacatgata catggcacac ccgtactaga catcaagcct acatagctga 360
gtatg	

<210> 13800
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 13800	
gttggggact	arrgcgtcgg ttggcgcgca acgggttcta ggctgcaggc agctcgagga 60
cccgcggccc	cgccccggct cggcctggca gatagcagag gcagcaggcc gtgccggggg 120
ggcatgttgc	tgtaaccagt ggcccagggg atgttacggt ggacagtgc cctggagggc 180
gggccccgca	aggtgaaacc atgctgcagt ggctgtcggg ywtcgggtat actccttcgg 240
gggttactgc	tctwntgaag actatgagac actgcgtcag atagatgtgc acattttcaa 300
tgcagtgtcc	ttgcgttgga caaagctgcc cccggtgaag tctgccatcc gtgggcaagg 360
ctcctgtggt	accctacatg cgctatggac ac 392

<210> 13801
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 13801	
ttatagatac	aaccagttac cagttttctta cgcctccttc tagagggttaa caatgcacta 60
gtttattggg	tttttttctt tttttctttt ctcttttttag atggagtgtc gctctgtcgc 120
ccaggctgga	gtgcagtggc gcaatctcgg ctactgcaa gctccacctc ccagggttcac 180
gccattcttc	tgcctcagcc tcccagtag ctgggactac aggcaccca 229

<210> 13802
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 13802
 atccccgttt caagaactca ggatccagga ccgcagactc cctccagggc tccgatccca 60
 agaccccgcg ttggaggaaac ttgagatccg gactctaagc gcccacaacca gtttcgggct 120
 gcagcg 126

<210> 13803
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 13803
 tttatcaggc tgctgttaac tgcattgcct ggggatattt tctgataggg tagattcaag 60
 catggtgccc agtgaggagg gcagaaaagg ataattgtca ctgttaacca taagtaccac 120
 catgatttga gcacttccta tgtgccaggc actatgcaaa gggttttttt gtttttgttt 180
 tttttaaaca gagttttgct ctgtcaccca ggctggagtg cagtgggtgtg atctcggctc 240
 actgcaacct ctgcctccca ggttcaagcg attctcctgc ctcagcctcc tgagtacctg 300
 ggactaacag gcgc 314

<210> 13804
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 13804
 atttttcaag gagaggcttc ttgctgaatt ttgattctgc agctgaaatt taggacagtk 60
 gcaaacgtga aaagaagaaa attattcaaa tttggacatt ttaattgttt aaaaattgta 120
 caaaaggaaa aaattagaat aagtactggc gaaccatctc tgttgtcttg tttaaaaagg 180
 gcaaaagttt tagactgtac taaattttat aacttactgt taaaagcaaa aatggc 236

<210> 13805
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 13805
 attctcgcta gttcgatcgg tagcgggagc gnagagcggg cccagagag ccctgagcag 60
 cccaccgcc gccgccggc tagttaccat cacaccccg gaggagccgc agctgccgca 120
 gccggcccca gtcaccatca ccgcaaccat gagcagcgag gccgagacc agcagcca 178

<210> 13806
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 13806
 acgtgaccgt ctytgggccc gcgcgaacca tggccggcat ggtggacttc caggatgagg 60
 agcaggtcaa gtcctttttg gagmnacatg gagcgtggag tgcaactacc actgctacca 120
 cgagaaggac ccggacggtt gctatcggct ggtggactat ttggaaggga tccggacaat 180
 tttgatgagg 190

<210> 13807
 <211> 760
 <212> DNA
 <213> Homo sapiens

<400> 13807
 caagtggctg cgtttttgtt agtwtggcag gtgtagactt ttttaagttgg gcttttagaaa 60
 atctgggtta gcctgaagaw aattgcytca gcctccacag taccatttta aattcacata 120
 maaggtgaaa gctcctgggt cagtgccatg gcttcatggc attcagtgat tagtggtaat 180
 ggtaaacact ggtgtgtttt gaagttgaat gtgcgataaa attattagcc ttaagattgg 240
 taagctagca atgaatgcta ggggtgggaag ctgggtgagcc agtggccatt agataaatac 300
 ctttcaagtg tgagcttaga cgtcaaccct aaaataactta accgtaatgc taattgtgat 360
 cattatgaat cccctcagtc acattagggg gaaagtagtt ggctataagt acgtcattct 420
 tagtccagtc agtcttaaaa acatcttggg ttaccactc tgtccactcc cataggctac 480
 agaaaaagtc acaagcgcac ggtttccaac catatgtgtt ttctgcagtt atttctcttg 540
 ttctggccaa acaaccctaa aaatccttac cattccacaa agttggacca tcacttgtgc 600
 acccactttg actatgagta taccaccaca ttgcatttct gtttgcacca tgtcttccag 660
 gagactagac tactgttgtc caggggtcaat ttgagtgtaa agaaaatgta gacaaggaat 720
 tgcccaattt taaattctga ctttctgtac ttaattttaa 760

<210> 13808
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 13808
 acccacgcgg cgcastccca aagttgcaga cagcccggcg aaccgcgcaa tgcgcttctt 60
 ctgcctgcag cagagaaaaag gaaagaaaaac tccgcagggg ctccggtggc ttctccacga 120
 gtgmcaaac atgttttccc agatagaaga ccggagccct gctcctttgc gatccgccga 180
 gggctgcaga gagcatcctc atccatttng gcacccctgc ccaggaagag cccggccatc 240
 cctttymggr ctggatccnn aagaggtgaa tnnncttccg tggattccga tttgctccgt 300
 ctganacagc taggcaatcc agcatcgcgt ggtaccagtg ccgctgggca cactggcnns 360
 ncgccggctc cgnctywyca gcaagcgcac tcccaggtgg tcaggct 407

<210> 13809
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 13809
 atttgaataa cttcagtata ctttagttct acttttttat ttgactcaca accattctta 60
 ggtctcaagt attcccatgt gttttaaaag cctgaagtca gtgagatgaa attcaacatc 120
 aagaatttga agtaacttgt aaggaaaaat aatataaaga taccattggg gcagtggctc 180
 acgcctgtaa tctcagcact ttgggaggct gaggtggaag gatcrcttga agccagagtt 240
 tgagaccagc ctgtgcaaca cagcaagacc ccgtctctac aaaaacttaa agaattagct 300
 ggctgtggtg ttgctcacc atagttccag ctrntcggga agctgaggca gtaagatcac 360
 ttgagccag gaggccgat ctgcagtga ctgtgattgt ccactacagt cagcc 415

<210> 13810
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 13810
 atgaaccatt tcaccaatga agccggttcc cagccatcct cctcaccgcc ctccctctca 60
 gcgccttcct tgcscctcct ccccgagtca ccaccgtcca gttccccacc ctgcactcgt 120
 ttcccg 126

<210> 13811
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 13811
 agagacgcay yctgtncata ggcagtaaga atatataaaa atgagtaagc tatgtaaaaa 60
 tgagtaagaa ccatttttagt gcaatgctgc ttgatctttt taggttacta atccctttca 120
 aaatctgatg aaagctgaat ctttcacccc aaaaaaagaa atgcacactt gtgcattgca 180
 tatacacaag atttagcatg tcttttttgc cttggtctcc ttcaagccct gatgacatta 240
 ctgga 245

<210> 13812
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 13812
 agttacgcac gggaggcggt acctggttgt ggaggggtgac gccatgggtg gggcggagcg 60
 tctgggatgc gctgggagcc taggatcccc gacagttttg cagaacactg aaatctatgg 120
 actctaaaat ggacttcatt taaagaaacc cacggaccat taatggacaa aaacatgagt 180
 caatatgtat tgtkgcattc aaatcctagc actctgggag agcatcaagt accacgtttt 240
 tgaagaccat 250

<210> 13813
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 13813
 ataggaggag ccaagatggc cgaataggaa cagctccggt ctacagctcc cagcgtgagc 60
 racgcagaag acgggtgatt tctgcatttc catcgagggt aacaattcat gctgagtgtc 120
 ccatgcattt ggaagatttt cccatggatg tgcatgcctg cccactgaag tttggaagct 180
 gagaatatgt cgatcatgaca acccacttcc atctcaagcg aaaaattggc tactttgtga 240
 tccagaccta cttgcnatgt atcatgactg tcattctgtc acaagtgtcg ttctggctca 300
 acagagagtc tgttcctgcc cgtacagtct ttggtgtcac cactgtgctt accatgacca 360
 ccttgagtat cagtgccaga aattccttac cttaaagtggc atatgcgacg gccatggact 420
 ggyatagcc gtctgttatg ctttgkattt tctgcactga ttg 463

<210> 13814
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 13814
 aacccagaag aggcgtctca acacagcatg ttggagatct gtgttttatg tttttatgtg 60
 attgctcttt cttttccggc cggc 84

<210> 13815

<211> 138
<212> DNA
<213> Homo sapiens

<400> 13815
gaatttttat gccattatgt caaggtctta gctgattctc aatcaatttg tatcgtgcct 60
gaagggtgat agaccgtcta ccagcattct agaaccagc agggtagagg ttgggcctct 120
gctttcagtg taacacac 138

<210> 13816
<211> 380
<212> DNA
<213> Homo sapiens

<400> 13816
acagtgrcat tcaacttcct gectgccagc cccagtgtgt ggttcccagc ctgacaacct 60
tggcacccca gcacccagc agggaggggt tctgcttggt gtcccctggc caccagcctc 120
ggccagctgg ttgtggacca gccgtgacct ggggcaacc agccaacctc accgtccaat 180
gggctgcagc cactctctc cagttaggtc tgagaccag ccttaacgag gctacccct 240
tccaggtct ctctgtgta ctcaggctgg agtgagctgg cgtgatttct gtcactgca 300
gccttgacct nncagcagc tcaagcaatc ctctgcctc atcctcccga gtagctggga 360
cwacaggcat gtgccaccac 380

<210> 13817
<211> 222
<212> DNA
<213> Homo sapiens

<400> 13817
tactgcsgtc gcgagacttc ctgctcatct gccgtccct ttgccgccgc cttagcccgg 60
gaccgaacc cagcctctcc cctaccgaa caccggcccc ggctccaccg agggccgggt 120
ccccagccc gtctgcgcc gcctatggcg accctaaata cgccgacctt cccggmattg 180
ccaggaatga gccagatgtt tatgaaacta gcgacctacc tg 222

<210> 13818
<211> 275
<212> DNA
<213> Homo sapiens

<400> 13818
ccccttcgg cggaggcgcg gaccgcgcgg actaagtgga atcccgggtg gcttggggcg 60
caggcttcca acttcgtact ctggcctctg gcgtctcggc tcgtcggttg ggtaccgaa 120
cccagctact gctgcttgaa gagaagatgg atggggactc ctgcgcgtcg ctgcgcgcgc 180
ggccttcctt gggcggacgt acacctttgc gaasgtcagt gaggacncag ggccccctct 240
tgaataagc tcttatttct caagcgctgc asgtg 275

<210> 13819
<211> 201
<212> DNA
<213> Homo sapiens

<400> 13819
acacgcgggt ttttaaggcc gaaccctagg caggctctgc agaggcagcg gttggaggcg 60
cggtgggtgt ctgcgggggt ctgcgggggc ggctgcgggt tttcaccggg aaaggctcga 120

ggagagcgcg gctcacgaga gataacccag ctgtgctccc tggaaccttc aatttcaagg 180
cctccctgcc.tctactaggc g 201

<210> 13820
<211> 328
<212> DNA
<213> Homo sapiens

<400> 13820
aaaaaggctg gccaggccgc ccccagcacg tagagggaat gagtcaggct ccggctccac 60
actggcacgt agtggcggat cgcgccggcg ctgagtagga aggagcttca gccgccagcc 120
cggaacgcgt cataggttag cttttcaaga cacttcctgc atctctgacc tgttgacact 180
ctgttatctt ggcacctctg ttatcttagc agcaagcacc tgcctcagct gacccttgag 240
ccataaccca taagctcctg aaaagtacat caagtctaaa gtgaaccagc taactcatta 300
agrcctggaat catgagcaac aatggagc 328

<210> 13821
<211> 164
<212> DNA
<213> Homo sapiens

<400> 13821
ctctcgttgc gcagtagtgc tagcggcttc gcggttcggt cctcgcaccc ggcagccgcc 60
actgggtgctg agctgctagg aagccccctat cgccgagctc gttggagctt gaaccattg 120
tcacccctcc gactcaccgg cccaaaaaaa aaaaaaawkg kta 164

<210> 13822
<211> 244
<212> DNA
<213> Homo sapiens

<400> 13822
gacagacggg accaggagct ctcgaggtgt ctggaggctc agcgagcgcc ggacccagga 60
ggcccaagga gctggagggtg accctcaggc agcaagaacc ccacggaagg gcgtgagcgt 120
tgcagacagc tgtgcggcac ctcgggctgg gctcctgtta ggaggaagtg cctgcaccca 180
ggcagcggtc cagaggcagc tgctccatgc agaactgaag ctgggttctgc agcagaaagg 240
ggag 244

<210> 13823
<211> 213
<212> DNA
<213> Homo sapiens

<400> 13823
gacaagctct cccgggcgcg ggcgggggtc gtgtgcttgg aggaagccgc ggaaccccca 60
gcgtccgtcc atggcgtgga gccttgggag ctggctgggt nggctgcctg ctgggtgtcag 120
cattgggaat ggtaccacct cccgaaaatg tcagaatgaa ttctgtkaat ttcaagaaca 180
ttctacagtg ggagtcacct gcttttgcca aag 213

<210> 13824
<211> 310
<212> DNA
<213> Homo sapiens

<400> 13824

cacgccattc	tgetgcctca	tcctcctgag	cagctgcgac	tacaggcccc	gcttcacccc	60
ttctcactct	ggaaaccgca	cctttaactt	tgcagacctt	ccttcacccc	tgactttctgc	120
ttcacctttg	acctckgccc	cccatgaatc	ccattttacc	tctagaccta	taagttctgg	180
tttatgtttg	acccctccct	ctgagctgca	cttcaccgct	gaccttgctt	cacctttrrc	240
cccccacctg	agccccagct	cctacctctg	accccaactt	ctctttgatc	tctgaatccc	300
ctctgactcc						310

<210> 13825

<211> 331

<212> DNA

<213> Homo sapiens

<400> 13825

gttacttcct	ggctcctggc	cgaaatttcc	accgccacca	cgtgaatccc	caaagccaaa	60
gttgccctcg	cttcacccct	tctgactctg	gaaaccgcac	ctttaacttt	gcmrracctt	120
ccnttcaccc	ctgactttctg	cttcaccttt	gacctckgcc	ccccatgaat	cccattttac	180
ctctagacct	ataagttctg	gtttatgttt	gacccctccc	tctgagctgc	acttcaccgc	240
tgaccttgcc	tcacctttaa	ccccccacct	gagccccagc	tcctacctct	gaccccaact	300
tctctttgat	ctctgaatcc	cctctgactc	c			331

<210> 13826

<211> 507

<212> DNA

<213> Homo sapiens

<400> 13826

ggaagcsgaa	gtgccgggtg	agcgcgagta	ggaagtgggtg	agttcggagt	agagatggcc	60
gcgcttgac	cgctgcccc	gctccccgca	cagttcaaga	gcatacagca	tcctctgagg	120
acggctcagg	agcatgacaa	gagagaccct	gtgggtggctt	attactgtcg	tttatacgca	180
atgcagactg	gaatgaagat	cgatagtaaa	actcctgaat	gtcgcaaatt	tttatcaaag	240
ttaatggatc	agttagaagc	tctaaagaag	cagttgggtg	ataatgaagc	tattactcaa	300
gaaatagtgg	gctgtgccat	ttggagaatt	atgctttgaa	aatgtttttg	tatgcagaca	360
atgaagatcg	tgtcggacga	tttcacaaaa	acatgatcaa	gtccttctat	actgcaagtc	420
ttttgataga	tgtcataaca	gtatttggag	aactcactga	tgaaaatgtg	aacacaggaa	480
gtatgccaga	tggaaggcaa	catacat				507

<210> 13827

<211> 303

<212> DNA

<213> Homo sapiens

<400> 13827

ttcggaggtc	agagctcggc	gggggtgcggc	tagtggcgga	gcgcgctgcg	aggggagggc	60
tttccactgt	cgctggcggtg	aactcgcgtg	cccggtttca	ccagggtactg	ccttctaact	120
tgagctggcc	atttccacat	gtcagatagg	accaacttgc	cttttaacta	cccggtgtgat	180
acttaaacac	tgttgccggt	atcacagctt	ttcttcaaaa	cagagtctca	ctctgtcacc	240
caggtggaag	tacagtgggtg	cactctcggc	ttgcttccca	ggctcaagtg	attctcatgc	300
ntc						303

<210> 13828

<211> 445

<212> DNA

<213> Homo sapiens

<400> 13828

tcttcggagg	tcagagctcg	gcgggggtgcg	gctagtggcg	gasgcgctgc	gaggggaggg	60
ctttccactg	tcgctggcgt	gaactcgcgt	gcccgggtggg	tatcagggaa	gaacccccgc	120
cccggacccc	cagatctgcc	atggccgagg	tagcgatcgt	ctctgcggcc	acgaagactg	180
ttttaacttg	taccactttc	ccttccattt	ttcctggggg	gcctctcacc	ctgcatctgc	240
gcgttcagca	agctggattt	cgggaatgct	cagttcagaa	gagaaaaaat	tgccgggaat	300
caagtccttc	tttttgttag	tcggtagtcg	attgatggga	agtgttcaaa	atcattcgat	360
gtggtgacaa	ggcttcacca	ggtactgcct	tctaacgagc	tgncnatttc	cacatgtcag	420
ataggaccaa	cttgcccttt	aacta				445

<210> 13829

<211> 82

<212> DNA

<213> Homo sapiens

<400> 13829

acccagagcc	cgctgccgcc	ggagccgagc	cgacccgccc	cgccgacgaa	ccccctgaag	60
ctgtgccaag	atgtgtgacg	cc				82

<210> 13830

<211> 218

<212> DNA

<213> Homo sapiens

<400> 13830

gaggacgggt	ctaatagata	gctggagaca	caatttaact	gaaccccgcc	cgttgtggac	60
tgactttgat	gctctgagtc	cctccctcct	tcacgcgcgt	agcaggccct	gatgtagatt	120
gcctttgtct	tacttgggac	gtttacctga	gcgcttggtg	ctggtgtcgg	gaccgggaga	180
taggagtgtc	tcaggagaga	cctggccgaa	aaccgcga			218

<210> 13831

<211> 300

<212> DNA

<213> Homo sapiens

<400> 13831

acctgtcagc	wgcggccagt	ccccaggccc	cagactgccg	ggtcggctct	gagctgccag	60
catctgggac	gtgtctgtgc	gtgtccctgc	ctcttaattg	caagggtgtc	attgggcatc	120
ctttgttctg	tattatccat	ccatcactgc	taccacagc	cctcaattct	caacccctac	180
aacttattcc	tgtccggaga	cagcctaagg	gtaagtgttg	gggctagcct	taacctgttt	240
tatcttacta	cttattggta	cattgtcttt	tcagggaat	gaaaagcctt	gattgtgttg	300

<210> 13832

<211> 227

<212> DNA

<213> Homo sapiens

<400> 13832

gcagtccacc	gccaggagcc	ttccggtttc	tgccgggtgc	sgacctcgtc	ccgaagcctg	60
gggatacacc	ctctcgagag	cccgtgtgcg	ccctocgtta	aggtcgaacc	cctcacagtt	120
gctgtgggca	actccagccc	aamattccct	cgctctgggt	ctcgccccat	tgggaaactc	180
ggccccacgc	ttcccacttt	tctggatgag	gtgtcccttc	tctcccc		227

<210> 13833
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 13833
 tccccgtmsct tagctctcgg ccctggggccc tttttcctcc tcggctgcgc gcgtgtcctc 60
 ggagcgcgggt ccctgtattg gtctcctgct cctagagggt gagaacaaaa acatgcacct 120
 ggagtttccc cggagccctc tgcgtggtg agcttcgggt gaatttcggg gctcttggt 180
 gccagccgcg cttgcctggt agcaacagaa accagtcctg ctgcgcctcg tggacatttc 240
 attaccatcc agaagtgtct cccactgaag gcatccgtgg ttgtttttaa gccacaaaaa 300
 agcca 305

<210> 13834
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 13834
 agaggtgcgg cgggggagcc ctccagaata cccatcatat agcccctgag gtggcatggt 60
 gatgtctcca tgagggaacc ccttcccact catcctgtca cgtatatcat agtgttcttg 120
 actgggccaw wtcacwaag wkgggattta ccctgtgaaa cagggagaag acttatggac 180
 cccaagcatc atttcgagtt gtagttgagt ttttaaaaga catacatgca aagttccttt 240
 gctttggacc ct 252

<210> 13835
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 13835
 gactgggtgc gagtggggaa gctgctaacc cgaccggat tggcgctgag gtggcccgtg 60
 gggcagggca gatgattctg gaccagatga agcctgagga gccttccagc tctaagatag 120
 caggatagga gacttctaag attggagctg cagaagactt gccagcccac ca 172

<210> 13836
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 13836
 actgttggcc cgccccctgg gctggcctgg gagggaaacc gactagcaga gccctctgct 60
 cagttgctcc cagcagtggc cctgggacca gctctgc 97

<210> 13837
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 13837
 ctttcccggg cgctgattcc tgagtgtga ggcggaaccc gaggagatga accctttaac 60
 taaggtgaag ctgatcaacg agctgaatga acgagaggtc cagcttgggg tggccgataa 120
 ggtgtcctgg cactccgagt acaaggacag cgcttgatc ttcctgggag ggcttcctta 180
 tgaactgact gaaaggggmc atcatctgtg tgttctcaca atatggggag attgttaaca 240

ttaatctcgt	gcgggacaag	aaaactggga	aatccaaagg	attctgtttc	ctctgctatg	300
aagaccagag	gagcacaatt	ctggccgtcg	acaattttta	tgggatcaag	atcaaaggaa	360
gaactatccg	agtgnwtcat	gtgtctaact	atcgggctcc	taaggactca	gaagaaatag	420
atgatgtgac	cagacaactc	caggagaagg	gctgtggggc	tcgtaccctt	caccaagttt	480
gtctgagagc	tctgaagatg	aaaam				505

<210> 13838
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 13838						
atgtgtgctg	gtgaatgtga	gtacagggaa	gcagcggccg	ccatttcagg	gagcttgctg	60
acgtctgtcg	aggggtggat	cctgagctgc	cgaagccgcc	gtcctgctct	cccgcgtggg	120
cttctctaatt	tccattgttt	tttttagatt	ctctcggggc	tagccgtcct	tggaaaccga	180
tattcgggct	gggcgggttc	gcggcctggg	cctaggggct	taacagtagc	aacagaagcg	240
gcggcggcgg	cagcagcagc	agcagcagcg	catctcttcc	cgaacacgag	caccacaggc	300
gcccgaagcc	ggaacaggcg	tttagagaaa	atggcagacg	atattgwtat	tgaagcaatg	360
cttgaggctc	cttacaagaa	ggatgagrac	aagttsrgca	gtgccaacgg	ccatga	416

<210> 13839
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 13839						
atgcacagtc	ctgttgccac	ggccatggcc	gggtggggag	ctgggctcca	gtgagcacag	60
agctccttrc	cagtaggcga	tgcaagttat	ctctggggcc	cggaggacac	gagtgaggac	120
cgggcaccaa	tcaggttctc	gctctgcgcc	ggcctttggt	ctcactcggg	agcaggttgc	180
gggcgtctag	catcgggaac	ccgcattcga	ctcgg			215

<210> 13840
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 13840						
agaggcgttt	gcggccccagc	gcctggactg	gaccttggcg	ttgggcccga	gttgcccgga	60
gtttttgggg	cccccgggaa	cccgcgcgcc	gaggccggct	aagtttggca	gactctctga	120
gctctcgaa	ttcgactgcc	tccattgttg	ctccttctgg	caccaca		168

<210> 13841
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 13841						
gggaggagga	gcggagggag	aagaaggttg	cgagctcagc	acaggctccg	gcgctggctc	60
ccgcagctga	gtttgggaga	tgtctaagt	attttttttt	tttcccggaa	ggcaaattggc	120
tggcgtggaa	gcacaaccgg	ctttcactct	tcgaatttgt	gcttagctct	tttctkgtac	180
cttgcgactc	gtgaccaaca	tgctgtgatg	tgtgccgagg	gaggaattgg	tcagcnacaa	240
cctggatctt	accacagttt	ggatatgact	gaggctctcc	aatgggcccag	atatcactgg	300
cgacggctga	tcagaggtgc	aaccmggmtg	atgattcagg	gc		342

<210> 13842
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 13842
 agaataggat taacctggag gctaacctgg gtacatgaat taggccgggg aggctggttt 60
 gagagtcttg ctgaggcgg ctgcgcagta caaccggag ccccgcc 108

<210> 13843
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 13843
 aggaggggccc aaccgggctg ggtgggtggg aagtgtggct ggtaacctgg cagccgcgga 60
 gaggtgggtg acgggcctgg gctaactgag tggcgg 97

<210> 13844
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 13844
 attcattgtc ttgacaagag catcttcagc gggcgagtcc ccggctcctc cagctccttc 60
 ctctcttcc tctcctcct ccacctccgg cttttggggg atcactgtcc tctctcggca 120
 gcagaatgag ccggcagggtg gtccgctcca gcaagttccg ccacgtgttt ggacagccgg 180
 ccaaggccga ccagtgtat gaagatgtgc gcgtctcaca gaccacctgg gacagtggct 240
 tctgtgtgtg caaccctaag tttgtggccc tgatctgtga ggccagcggg ggaggggcct 300
 tctgtgtgtg gccctgcgg sagccccgtc gtcacctgg agggccacac caagcgtgtg 360
 ggcattgtgg cctggcacac cacagcccag aacgtgtgc tcagtgcagg ttgtgacnsg 420
 tgatcatggt gtgggacgtg ggcaactggg cggccatgct gacactgggc ccagargtgc 480
 acccagnaca cgatctacaa gtgtggaac 509

<210> 13845
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 13845
 attcattgtc ttgacaagag catcttcagc gggcgagtcc ccggctcctc cagctccttc 60
 ctctcttcc tctcctcct ccacctccgg cttttggggg atcactgtcc tctctcagca 120
 gcaggtcacg cacacaaagc atttaggaaa ttctaagtga tcaacagggc tgagaccac 180
 tgaactaaat gaagggatta aatgaaaaga taaaagaaan rgccggcact gtgggtcacg 240
 cctataatcc cagcactttg ggaggccgag gtgggtggat cactnkaggt caggagtttg 300
 aagccagcct agccaacatg gtgaaacccc atctctacta aaaacacaaa aakkagccg 359

<210> 13846
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 13846
 gtgccagcgg gcgtgtggcc gcgggtttcg cacggtccaa taaggagggg cggcgtggcc 60

004220" 66666666

cggcctggta gcgacgagga cgcgccacac cgacaactcc ccggcttcca gaccctacca 120
gcactaccct aaccctcagc cgacagtctc agccccaccg a 161

<210> 13847
<211> 406
<212> DNA
<213> Homo sapiens

<400> 13847
atgttttctg aggccttaga ggagtttgta tcaatttggt agtattaatg tcagtactac 60
cagcactttg ccaaaactgt cagagggacc cgtttctaga gtgagtccca gttacatcaa 120
acagtgactt ccagttattc cccagtaagt ctgagtgggt ccttcaagct ggggtgtcttt 180
ccagcctttg ccagtctagc cccagcaggg caccgtgtat gaatgcagtt tgggtgtgtt 240
ttagagtatg cctgtctccc agccccctgc ctggaacct ctgagcaact tgctctgacc 300
tataatgtct taggtgcaac acggacccca ccagagctct tggatacccc cctagatcca 360
tgtggcttta tgtgagggga ctgaatgcag acacaccata gcccc 406

<210> 13848
<211> 118
<212> DNA
<213> Homo sapiens

<400> 13848
ggtaccatat agcgtggaag agtgagtttt gtgtgatgga gtgggaccag gctctctgat 60
ccaaccctct gctagcaact cggctgtcgg tgggggtggcg cgcgcgtatt ctcacgga 118

<210> 13849
<211> 207
<212> DNA
<213> Homo sapiens

<400> 13849
attcatcgtg cgtcagagtg agcccggatg gggcgggcggg cttcggggagc gcccgggctg 60
atccgagccg agcggggccgt atctccttgt cggcgccgct gattcccggc tctgaggagg 120
cctctaggca gccgcgcast tccgtgtttg ctgcgcccgc actgcgattt acaaccctga 180
agaatctccc tatccctatt ttgcccc 207

<210> 13850
<211> 340
<212> DNA
<213> Homo sapiens

<400> 13850
cattagtaag aatgcctggt tgcctatagt ctgccaaacc tgaatcctta aaaatttttg 60
ccaatctggt aggcataaatt tctttctttt ctttgaatat taatgaggag gaacatcttt 120
tcatgtttct tggccatttg catttcctat tatgaattgc ttttgcccat tttccttttt 180
ttaattatga aagtctaatt actaccttct cattgtataa aaaacacagt tctttgaata 240
gagagacctt tttctccaat gctaccaatc acattccact taccacagtt taacatacat 300
cctctagtca cctttccgta cgaatatata tacacataaa 340

<210> 13851
<211> 235
<212> DNA
<213> Homo sapiens

<400> 13851
 aaaagcgtca gtgtgaaggg aaggctaagg acgcatcggt gctggagagt tgagaatatg 60
 ccttccccctc ccccccaac ccagtcacct tatttgaaaa aaaatwaaaa aacacctttt 120
 atttaaaaac ctaaccctgg aagtttgctc gggaaggcat tctcttcctc ttcctccagc 180
 tgccctgaaaa tcatatgcgt ggtttttctt gktcctgct ctgtagctga catca 235

<210> 13852
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 13852
 aaaagcgtca gtgtgaaggg aaggctaagg acgcatcggt gctggagagt tgagaatatg 60
 ccttccccctc ccccccaac ccagtcacct tatttgaaaa aaaatwamaa aacacctttt 120
 atttaaaaac ctaaccctgg aagtttgctc ggtaagtgtt ttttcatttt ctttccctgc 180
 tttcctcttc tttttccc 198

<210> 13853
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 13853
 agartgcacc ggcagtycgc gggaaaccaa aatggcgagg ggctgtattg aagtgggctg 60
 tgtttgaggc cgggtgaaga acgctcattc tcccccaac ccttgctctcc aaggacctcg 120
 gtttggtcgt gcatatgtgc cgggtaccgc gtggggcgagg tgcccagtaa gtgctcggac 180
 tcgcagggga agcgccccacg gggacggatt ggttgttttt tcctgtatga armg 234

<210> 13854
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 13854
 accgaaaagc cggggaaatg gccatggtgc ggaggactcg ctggctgatc aggctgccaa 60
 tgaatggggc aggagtggca aagaccccaa tcaactcyga cctgctggcc tgccctgagaa 120
 atactgagct tcctcttcac tctgctctca ggagatctgg ctgtgaggcc ctcagggcag 180
 ggatacaaag cggggagagg gtacacaatg ggtatctaataaataacttaa ga 232

<210> 13855
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 13855
 ttttcttgca accgaatgca ccttggttcc ctgcaggaca ggctggagcg ggagtctgtt 60
 ttagaggagc aggcacgtag ga 82

<210> 13856
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 13856
 aggtgacagc cgcggggctc cgagccgccg gcagcccgga cgcaccggga gagcgagagg 60
 tggaggccgc ggacattttg gtgccaaagcg aaccgagccg gggcgccggg agctattggg 120
 acctgcggaa gcctggctac agataaggga ccaaatgac tgactcaaaa tatttcacca 180
 cgaccnnkaa agg 193

<210> 13857
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 13857
 gtgtacaggk nnggtcctgg atattcgccg cgwaccagc actccggttc gacggggctg 60
 cagtttgagc ggcccgata accgaggcag tggccctcc cgcgtcccca ggtttcaagg 120
 acgctaggrs tctccgccc cctgaggctt cgcactgggg agtggggccg ccaggatgga 180
 cgtgttcatg aagggcctgt ccatggccaa ggaggcggtt gtggcagccg cggagaaaac 240
 ca 242

<210> 13858
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 13858
 acatacaca aggccccag cacaagagaa ctacgcagag ctggaggagg tccatggact 60
 gtcccacggc aactagaaat ctatcacctc tgtcccttct ccatgctccc aactgcaaag 120
 ggagganaga ggtggtgtct ttgaggtttt tgcatttctg acaatcaacc gatggctcca 180
 cctggacctg ccaacccccg caagcagtcg tggaccaggr agcagactcc ctggcctgcc 240
 aaactatcct tanaaaaccc ta 262

<210> 13859
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 13859
 ataaaaccgc agtcgcccgc ctccgccccg tcacggcctc gcctcggtat cgcagcgggt 60
 cctctctatc tagctccagc ctctcgccctg cgccccactc cccgcgtccc gcgtcctagc 120
 cgacctggc cgggcccctg cgcgccccgc tgctcctgct ggcc 164

<210> 13860
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 13860
 ggaatgctcg aagtatgcac acgttcccaa aagtagacct ccttcaccgc cggaggagca 60
 tacatcacc cgtggcagcc gtccacctc tcaggcggtt cgtaaccgag taaactgaga 120
 gctgggaaca gccctctatt aagtagcccg cggcgccggg tctctttcca cttggctaag 180
 gcgaaccgcc ccagacgcgt ccgcgcgccg gcagctgcag gctcaggcca tctccagtct 240
 tcttgccgcg cccgcctctc ctctgggat tctctctc ctctgggact tccccgcagc 300
 tgccc 305

<210> 13861

<211> 352
 <212> DNA
 <213> Homo sapiens

<400> 13861
 aagagccacg cggcacgccc gggaggcttt ctctggctgg taaccgctac tcccggacac 60
 cagancaccg ccttccgtac acaggggccc gcatcccacc ctcccggacc taagagcctg 120
 ggtccccctgt ttccggaggt ccgcttcccc gccccagat tctggcatcc cagccctcag 180
 tgtccaagac ccaggcagcc cgggtccccg cctcccggat ccaggcgtcc gggatctgcg 240
 ccaccagaac ctagcctcct gcagacctcc gccatctggg ggcactcaac ctctggagc 300
 caagggcccc acgtcccacc cagagaaact ctcgtattcc cagctcctag gg 352

<210> 13862
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 13862
 aacctgtggc gcgctccgcg gttccggcgc ctgaagtttt agctgcggtg gcggcggcag 60
 tcgggaccga ctgcaagatg tcatttgtca gagtgaaccg ctgtggtccc cgagttggtg 120
 taagaaagac acsraaagta aagaagaaga aaacttcagt gaaacaagaa t 171

<210> 13863
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 13863
 gtcgtggcga cgggtggcgg gagcggcgtc agagcttgag ggggggttga cggcttctgg 60
 cgggtggcgg tgttgaaggc gagagcttgc ttggcccggtg tcgcttctgt cccaagaacc 120
 ggacggarag tgagggcacg agggtcgctg tcgggggctg tcgtcttcca cgtacacgtc 180
 gtcgtgagga gcgcagtcgc gactcttccc gcaacccctc cggctccctt tccgcacgcc 240
 tcgagkcggc ggcggccacc gagacagcag cgcacctksc cccatccctt ccccttatcc 300
 cccagcccaa aagggcccgg tctgcg 326

<210> 13864
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 13864
 ataaaagcct agtggccatt gtgttcgctg ctcttatcgg tcccatccc agttgttgat 60
 cttatgcaag acgctgcacg accccgcgcc cgcttgctgc cacggcactt gaggcagccg 120
 gagatactct gagttactcg gagcccgacg cctgaggggtg agatgaacgc gctggcctcc 180
 ctaaccgtcc ggacctgtga tcgcttctgg cagaccgaac cggcgtcctt gccccggggg 240
 tgacgcgcas tcccagccgc ccagacacat ggccccaggc caagcac 287

<210> 13865
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 13865
 gactgggtgg ggctgcctca cttctgcctg atttgggaag cgctgcaagg acaaccggct 60

ggggtccttg	cgcgccgcgg	ctcagggagg	agcaccgact	gcgccgcacc	ctgagagatg	120
gttggtgcca	tgtggaaggt	gawtgtttcg	ctggtcctgt	tgatgcctgg	cccctgtgat	180
gggctgtttc	gctccctata	cagaagtgtt	tccatgccac	ctaagcnaga	ctcaggacag	240
ccattatttc	tcacccctta	cattgaagct	gggaagatcc	aaaaaggtaa	gtaagttaa	300
ttwwatcaga	aaaccactgg	catgagttca	acagtttctc	tttttttttt	ttt	353

<210> 13866

<211> 151

<212> DNA

<213> Homo sapiens

<400> 13866

aattaaataa	taaaacaatc	cttaagtctg	atttgagag	agctcgagcg	gggtccagag	60
ggtggaaccg	gtgaattttt	caacttccaa	gttttgcaac	gaaarraagc	aagagaggga	120
gggaaaaaaaa	agagcctaga	gcagaaaaga	g			151

<210> 13867

<211> 203

<212> DNA

<213> Homo sapiens

<400> 13867

gtccgcgccc	gctctcggcg	cgacgtctcc	agccatgaac	cggtttggta	cccggttggt	60
gggagccaag	gcgacttctt	cgccgcccgc	gaagccgcag	caatgaaaac	ctcgacaaaa	120
tagatatgtc	tttgatgat	atcatcaagt	tgaatcgaaa	ggaagggaag	aagcagaatt	180
ttccaagact	aaatagaaga	ctc				203

<210> 13868

<211> 212

<212> DNA

<213> Homo sapiens

<400> 13868

acttagggcg	ggasccggcg	agggcgccgg	tgctttgttc	tgtctgaggc	caggaagttt	60
gaccgcgctg	ccatgccgaa	ccgtaaggcc	agccggaatg	cttactatct	cttcgtgcag	120
gagaagatcc	ccgaactacg	gcgacgaggc	ctgcctgtgg	ctcgcgttgc	tgatgccatc	180
ccttactgct	cctcagactg	ggcgcttctg	ag			212

<210> 13869

<211> 169

<212> DNA

<213> Homo sapiens

<400> 13869

actcactgct	ttctaggact	ggggangatc	ccctggetct	gtgctgttcc	ccagtgggcc	60
gttggttcagt	gtcctgcttt	tctttgtttt	ctgtgtgtca	ggttgtttcc	ttgggttaatc	120
ctaattgcgag	tacttgcatg	tttcagttga	aggtattggt	tttactcgc		169

<210> 13870

<211> 351

<212> DNA

<213> Homo sapiens

<400> 13870

ggctaggaaa	gacgtccggt	gaggastngn	ttgccctttc	tgtgtaagct	gtgagcgtag	60
gcgggccctga	gggggtgtgt	tgcaggggtt	tccaagccca	gcaccagcac	ccttrccctt	120
ttccatcagg	ggttcagcct	aggggtcccc	ctgggtggcg	gctcccagag	cttgaggaga	180
agrcgagaa	cctagcaccg	ccccgaagt	gcggagaccc	cctgggcagg	ctsaaagatg	240
gcgggcgcg	ctgtctctgc	ggcttctggt	tctcacttgt	cgaacagctt	tgtgmscca	300
tcaasstcta	atggaagcat	ggttcggcat	tcttcacttc	catatgtagt	a	351

<210> 13871
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 13871	
atcttctggt	gccgtcacgg
gacacagtgg	ttgggtgacg
cgcccatggc	agagccagac
gaagcagaca	tggacttctt
aaggagcgtc	tgttggaaga
cgctgtcgca	gagtcactct
actttcgctc	tcctccacc
cagaggccat	ctttgagatc
	agctat
	60
	120
	180
	240
	300
	360
	420
	446

<210> 13872
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 13872	
gcttcctggc	cgagggcggg
attgcttctg	tctgttattt
ctaggtcagg	gtctcgctcg
cgaagctcaa	gga
	60
	120
	180
	193

<210> 13873
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 13873	
gcttcctggc	cgagggcggg
attgcttctg	tctgttattt
ctaggtcagg	gtctcgctcg
ccggttctt	ccacaggaga
atgagcgccg	ggtggtgctg
	60
	120
	180
	240
	289

<210> 13874
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 13874	
gtgcttcagg	gttctggtgt
ggtacgctgg	accctcggac
cctgagtttg	agccctatga
	60
	120
	180

ctctccttgc tcctcagcct gcagacagcc tatttgtagga ccttttgatc gtaacc 236

<210> 13875
<211> 125
<212> DNA
<213> Homo sapiens

<400> 13875
tcagaattcc ttctcttttc ttctgataca gatttttagtt ctgaacctag ttctgtaatc 60
attggctttt ctccagttac aagttttaat tcctttaccc ctgttctatt tcatttcaga 120
aacca 125

<210> 13876
<211> 117
<212> DNA
<213> Homo sapiens

<400> 13876
tatttttccct tcattagttt cccattctgt tgtatttatt taatttttat ttcattttcc 60
agacctaagt caatgttagt ctaccactgt acgtctggta acctcaatcc ctgcaac 117

<210> 13877
<211> 274
<212> DNA
<213> Homo sapiens

<400> 13877
agacgactaa gctgcagtga aaaacatgtc ccagttcatc ggtgaacagg gagtagaata 60
tggacagtat tgaataatgc cagatactaa aggaagaaaa cgtgcgagaa accctcttgt 120
tatacaggag taacattttc ttagcccatc ctctcgatgg tgccgtacac ctgaaatgaa 180
actagatatg tctttaattt gaagtcaacg attatgttac aarataagaa aatcgagtcg 240
cttaaaaaatc aaatgcccaag gtcacacagc aggt 274

<210> 13878
<211> 342
<212> DNA
<213> Homo sapiens

<400> 13878
tcaagactgt ttccacactg tgggaagcttt gtactttcac tctgctcaat aaagcctgca 60
gctttttctc actctcagtc catgtctykt tyactcactg gtkgtcagst tccacaccat 120
ttctttgggtg tggcttggca agaaccctcag gtgttacatc ttggcgagcc agacaggaga 180
ctccagaaaa ggatcaaaagc catcaagcta caaatgatct taaaaatgga acctcaaatg 240
agctcagctc acggcttcta ccgaggaccc ctggatyaac ccgctgggtcc tcaattaccc 300
tagaaaattc ccctctggag gacaccaaac tgcagggccc tt 342

<210> 13879
<211> 175
<212> DNA
<213> Homo sapiens

<400> 13879
atgtgtgttg ctgaatttcg aagagtgatg gtgggagtggt gtgtgggtggg ggcagtatca 60
acctcatcct tcccttgacc gagacctttc actgctcctg gactttcagg gtgtgctatc 120

ctttgctc cccaacaac ctgtctgctg ccctaaaaaa aaaattaaaa aaaaa

175

<210> 13880
<211> 139
<212> DNA
<213> Homo sapiens

<400> 13880
tagggaaaat ttgaacaaaa agtagttccc aatttggtgg atgcaggatt attttttagga 60
ttatggagag tgggtggtgt gttcaacctc atctacctct tggttacttc cccttaacca 120
ccccctccta tctactgag 139

<210> 13881
<211> 362
<212> DNA
<213> Homo sapiens

<400> 13881
agtgttttcc attttctcag caacctccag aagttgagtg cagggggata gtgctggccg 60
gtgtgtcttg gtttcgtggg gttggtttgt gtttgcacag gtttcactgc tgtgtntynt 120
cknyccagtg ncgaagtgcc agaggggtgga ctgggtccca aatctctgta ccggactgca 180
gaggagctgg agaacgaaga cctgaagctc tggactgaga ccacttacca gtctgcaagc 240
gtcttcaaag gagccccaca tgagattctc attcagattg tggatgcctc gtcagtcac 300
acttgggatt tcgacgtgtg caaagggggac attgtgttta acaatctatc actccaagag 360
gc 362

<210> 13882
<211> 134
<212> DNA
<213> Homo sapiens

<400> 13882
atattgaagt tcgccctgtc agtagcttct cggggttcag aacctccatc tggacgcccc 60
ttcactttta ccgctccgat ccgttccctc tcacattcac cttatccgcc cgcacagtca 120
gaccacagtc accc 134

<210> 13883
<211> 291
<212> DNA
<213> Homo sapiens

<400> 13883
acaggataat acaagaagga accactgcaa gtgaaatcca gccaccagta atgccgagag 60
gccaggcctg tgctcccaa aacctgctcc tccgcaggct tccccggccc atctccagag 120
cgccctcctc tcaccacttt acataaacga atgtacccaa gatcccccat cagttttcca 180
tgcagctgcc agagtgccac caaagcaaac ctcatctcra gactctgtgg ccaggccctc 240
acaacctcct gccaggctct cgctacctac ccatcaacag caagactccc a 291

<210> 13884
<211> 446
<212> DNA
<213> Homo sapiens

<400> 13884

agtcgtggtt	tcttgcgttt	gtagatggaa	ggaagaactt	gtgtgcttag	acctgacgct	60
gggaggagat	gctgccacct	aggttacttg	taggacccta	tacggcaacc	tcctttgccca	120
ggaactat	ataaacatcc	tgcaggaaaa	tgagtctata	tgtcagaata	cacatttccc	180
accttgccca	acagtagaaa	aacataagaa	gagaaaaaca	ttaannaatg	acaaggaagt	240
taatggaagt	cagcaatgtg	atggtgtttg	gaggtggagc	cttcagaagg	taattaatgc	300
ccttgtaaga	agaggccaga	gagcttgcg	accttcttcc	tgccatgtga	ggagccaaga	360
agccggctgt	ctgcaacctg	caagaggacc	ctcactagaa	gctagccata	ctggcatcct	420
catcttggct	ttccaacttc	cagaac				446

<210> 13885

<211> 166

<212> DNA

<213> Homo sapiens

<400> 13885

atatttgagg	caccatccct	gccattgccg	ggcactcgcg	gcgctgctaa	cggcctggtc	60
acatgctctc	cggagagcta	cgggagggcg	ctgggtaacc	tctatccgag	ccgcggccgc	120
gaggaggagg	gaaaaggcga	gcaaaaagga	agagtgggag	gaggag		166

<210> 13886

<211> 413

<212> DNA

<213> Homo sapiens

<400> 13886

cttgagggaa	gagagagacc	ttctcatatt	gttttatatt	gttttatact	cagtacctgt	60
tttaagaaaa	aaacaaggaa	gtgaaatcaa	agacaggcag	cccggcacca	ggcctgaaac	120
cagccnttg	ggcctgcctg	gcctaaacct	agtagtkaaa	aatcaactta	cgacttagaa	180
cctgatgtta	tccgtagatt	ccaagcattg	tataaaaaaa	ttgtgaaact	ccctgttggtg	240
ttctgtacca	gtgcatgaaa	ccccgtgcac	atatccccta	gattgctcaa	tcaatcacga	300
ccctttcatg	tgaaatcttt	agtgttggtga	gcccttaaaa	gggacagaaa	ttgtgcactt	360
gaggagctca	gattttaagg	ctgtagcttg	ccgatgctcc	cagctgaata	aag	413

<210> 13887

<211> 347

<212> DNA

<213> Homo sapiens

<400> 13887

tcagatctga	acctgatttg	tgtgtgcacc	gcgtctccag	cgatcccgga	tccactgcgc	60
tgccaggggc	ctgggggtgg	gtccttgctg	tctctgcgac	gacatcctta	cgtttcggca	120
ctctmatgct	gggtttgtgc	gtgtgtgtct	gcttagcggt	ctagcgggct	gttaggctcc	180
ctcgccccca	gtccttggc	tcgctcagct	cctccaccgc	agcccagcag	ttagacgcgc	240
gcgcascagc	tccccacgag	atggaacaga	ccgaagtgt	gaagccacgg	accctggctg	300
atctgatccg	catcctgcac	cagctctttg	ccggcgatga	ggtcaat		347

<210> 13888

<211> 421

<212> DNA

<213> Homo sapiens

<400> 13888

aggcattcgg	ccacgctttg	aggaaagaag	gggcgcaagg	ttggtgggac	cgacccttgg	60
gaaccggg	gccgcctggc	atgatgggag	ttgtagttcg	atgctggttt	agggtttcag	120

gcgtggaggt	tccamaatcc	gaggtttgat	ttcagcctgc	ccttgccagt	gcctggggccg	180
ctgggagccg	ttattggctg	ccgttaagga	ccgttacgtt	tcccgggtaa	gtgaaagggc	240
ctgaggccgc	gggtgctacc	tgcctggagc	cggaatgcc	caggccttct	tagagtgggc	300
ttttccgcaa	gaagcctagt	tgactcctgg	ccgccttct	cactcgggag	tctgggcaac	360
ctgcggtcat	tggcagttca	aggtctcatg	agaggcagtg	gattttttts	tgcgaasmtg	420
n						421

<210> 13889

<211> 130

<212> DNA

<213> Homo sapiens

<400> 13889

ggctggtttt	ctccgcgggc	gcctcgggcg	gaacctggag	ataatgggca	gcacctgggg	60
gagccctggc	tgggtgcggc	tcgtctttt	cctgacgggc	ttagtgctct	cgctctacgc	120
gctgcacgtg						130

<210> 13890

<211> 136

<212> DNA

<213> Homo sapiens

<400> 13890

agttcccggc	ggcccccccg	cgccgtgctg	gactccacca	acgccgacgg	tatcagcgcc	60
ctgcaccagg	cctgcattga	tgagaacctg	gaggtggtgc	gcttcttggg	ggagcagggc	120
gccactgtga	accagg					136

<210> 13891

<211> 477

<212> DNA

<213> Homo sapiens

<400> 13891

gatttatcct	catttgattt	ggccagaaaag	taggtaatat	gcattgattg	gcttctgatt	60
ccaattcagt	atagcaaggt	gctaggtttt	ttcctttccc	cacctgtctc	ttagcctggg	120
gaatnangg	agaagcctta	gaatgggtgg	cccttgtgac	ctgaaacact	tcccacataa	180
gctacttaac	aagattgtca	tggagctgca	gattccattg	cccaccaaag	actagaacac	240
acacatatcc	atacacnaaa	ggaaagacwn	ttctgaaatg	ctgtttctct	ggtgggtccc	300
tctctggctg	ctgcctcaca	gtatgggaac	ctgtactctg	cagaggtgac	aggccagatt	360
tgcattatct	cacaacctta	gctcttgggtg	ctaactgtcc	tacagtgaag	tgcctggggg	420
gttgccttat	cccataagcc	acttggatgc	tgacagcagc	caccatcaga	atgaccc	477

<210> 13892

<211> 446

<212> DNA

<213> Homo sapiens

<400> 13892

tctaatttct	tttgatctaa	tgaatgtgtc	tgttacctt	gtttcctttt	aattgataag	60
ctccaagtag	ttgctaattt	tttgacaact	ttaaataagt	ttcattcact	tcttttactt	120
aatgttttaa	gtatagtacc	aataatttca	ttaacctgtt	ctcaagtggg	ttagctacca	180
ttctgccatt	tttaattttt	atttaatttt	atttgcttga	gcacactgat	caaccactga	240
actgccttct	tccawtgytc	ctgcaatgat	ataagggtta	catttttgtg	tatatggctt	300
tcatagttgg	gatttcagag	cactgatacc	agatattttc	agtttgttct	ctgggggaat	360

ttcatttgca tctatgtttt tagctatctg tgataacttg ttaaataatta aaaagatat 420
 ttgcttctat tggaacattt gtatac 446

<210> 13893
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 13893
 gactgagggg tcagtgggtc cgggtaggag ctaggtgacc ctcggtgct gcagggatct 60
 gcagcgactg cagccatggg ggcccacctg gtccggcgct acctgggcga tgcctcgggtg 120
 gagcccgacc ccttgcatg gccaaccttc ccgccagact acggcttccc cgaacgcaag 180
 gagcgcgaga tggtagggcac acagcaggag atgatggacg cgcagtgagg ctccagctgc 240
 gggactactg cgcccaccac ctcatccggc tgctcaagtg caagcgtgac agcntcccca 300
 acttycnggc ctgcaagcag gagcggmacg actgggacta ctgcgagcac cgcgactat 359

<210> 13894
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 13894
 aanttttccg gttagccttc ggggtgtccg cgtgagaatt ggctatatcc tggagcgagt 60
 gctgggaggt gctagtccgc cgcgccttat tcgagaggtg tcagggctgg gagactagga 120
 tgtcggacac gtggcagctc tatccaggcc cacaagaagc agctggactc tctgcgggag 180
 aggtgcagc ggagggcgaa gcaggactcg gggcacttgg atctacggaa tccagaggca 240
 gcattgtctc caaccttccg tagtgacagc ccagtgccta ctgcaccac ctctgggtgcc 300
 ctaagcccag cacagcttca gcagttcctg aattagctac agatcctgag ttagagaaga 360
 agttgctaca ccasctctct gatctggcct taacattgcc actgatgc 408

<210> 13895
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 13895
 aaaaaaccat ctctactctg gtcaacaccg ggcaactgaa ccattcctgc acgttacttt 60
 ttaacgtagc tggcgccatt cccgacccat ctttatagtg gccagaaagc caagaacgta 120
 agkgttctac acaatagggc gccttcaaatt tttttacttt agcaacgtga tcttccttta 180
 aggggaagta tggtccctcc tagaaacgct cccgccttgg agaaggggtt gaggtcgcaa 240
 ctccacttac agactacgga ggaaccccag ggtcaaacca aaccaaacca attctggcca 300
 gttgcttagc gcagttcaag ttacttagtg cgctggaagc ggcatttcag gcaatccaac 360
 ttctggctcg aaccttctcg gagtattcca aggatggaat actctcactt gagcgctgcc 420
 gagggtgccg cttgaggaaa acgtgagttt gtgaagggtga gcagtctggg tcggtagcga 480
 aagcgnagac cttagctgac cccgcagctg tctttctctt tgttaacctc aacacatcgc 540
 gc 542

<210> 13896
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 13896
 cccaaattct tctcatcttg gaaaactgaa actctatacg tattaaactt cccattcccc 60

cagccccctga	caatcaccat	tctaccttct	agctctgtga	atgtcacaag	tacatcatta	120
tgtgggatca	tacagtattt	ttttgtgact	ggcttattat	acttagcatg	atctacgttg	180
tagcaggtgt	cagaatttcg	ttcctttgaa	aggctgaata	atattccact	gggttttagat	240
acaccacgtt	ttgttgaccc	attcacccat	caagggaccc	aagttgcttc	cacattttag	300
ctacagtga	taatgctact	agaaacataa	gggcacaaag	ctgggtctgt	gacaccctgc	360
ttttaattct	tttgtcacia	gccctgttgt	tttaaccttg	ctgtgtgagc	ggtggcagag	420
atgtgagtta	ccctgagtta	cgggtgtga	atctgtaagg	gtcacagcaa	cttcagtcct	480
tgc						483

<210> 13897

<211> 375

<212> DNA

<213> Homo sapiens

<400> 13897

ttagtcctca	tgacaatgga	gcacttatta	ttcttcccat	tttacagatg	aggaaactaa	60
gaccagaaa	gttcaggtcc	tctgacccca	gaagtgtctg	tgatgaccct	cccaaccttg	120
gctatctacc	ccacctgtgg	agaggaggtc	tggggtgaca	tctattgtag	atcccacctg	180
agagttaa	caatgagaag	acttactttc	ctggtaggca	gcctgctttg	ttttgcacag	240
gaagatagat	tttttttctc	atctttctta	taaacaacct	catgcacatt	ctgtgtttga	300
gccaagacta	gtcaccatt	gggggcta	cgtgcagtgt	gagctgcgtc	cacacctca	360
cttctccctt	cactc					375

<210> 13898

<211> 339

<212> DNA

<213> Homo sapiens

<400> 13898

aagtcgctga	cagccgcggc	gccgcgagct	tctctctctc	tcacgaccga	ggcagagcag	60
tcattatggc	gaaccttggc	tgtctggatgc	tggttctctt	tgtggccaca	tggagtgacc	120
tgggcctctg	caagaagcgc	cgaagcctg	gaggatggaa	cactgggggc	agccgatacc	180
cggggcaggg	cagccctgga	ggcaaccgct	acccacctsa	gggcgggtgg	ggctgggggc	240
agcctcatgg	tgggtggctgg	gggcagcctc	atgggtgggtg	ctgggggcag	ccccatgggtg	300
gtggctgggg	acagcctcat	ggtgggtggct	ggggtaag			339

<210> 13899

<211> 137

<212> DNA

<213> Homo sapiens

<400> 13899

ggctgtgtta	aggttctttt	attcccagga	gccagctatg	tgcttgaaa	aagaatgcat	60
tcctgcactt	ctcttgctta	acctttcatt	ccaatgtgaa	aaaagagttt	cagggccagg	120
aaagtgcag	acacaca					137

<210> 13900

<211> 410

<212> DNA

<213> Homo sapiens

<400> 13900

agcccgcctg	agtttcaatg	cgcgttggtg	cttaacgaag	cagagtctta	cacactgtct	60
gctgctctcc	tgatcatggc	ttctccgagt	tctttcacct	actattgccc	tccatcttcc	120

tcccccgctct	ggtcaagagc	ccgctgtaca	gtctgaggcc	cgagcacgcg	cgagagcggt	180
tgcaggacga	ctcgggtgaa	acaagtcacg	tccrntagaa	caggcaaaaag	tagaagmaaa	240
gatccaagag	gtcttcagg	tcttacaagt	tcaaccacct	tgtaccaagg	cttgttttgc	300
agagggagaa	gcacttccat	tatctgaaaa	gaaggccttc	gacaaactga	cagatgccta	360
atgagtgtct	ggatgccags	cgcccatggc	tctgctattg	gatcctgcac		410

<210> 13901

<211> 277

<212> DNA

<213> Homo sapiens

<400> 13901

ccttattttac	atccacacta	aatttttggtg	ccttccagca	cattagtggc	aggcaccctt	60
ctggaacact	nnscaataat	ttcatcaata	cagtcaggtc	tcttgagttt	caacagatac	120
tcagttgaaa	agtcgctgtc	atcttgctgc	ataagtattt	tgaaaggctc	gtataacgaa	180
gccattttta	tatccaggct	tagaagggtca	ctactatata	gtaccttcat	tgatctatct	240
attctgcttg	gaacttttca	tagctaagta	taacccc			277

<210> 13902

<211> 339

<212> DNA

<213> Homo sapiens

<400> 13902

aacagacact	tgagcacacg	cgtacaccca	gacatcttcg	ggctgctatt	ggattgactt	60
tgaaggttct	gtgtgggtcg	ccgtgggtgc	atgtttgaat	caggtggaga	agcacttcaa	120
cgctggacga	agtaaagatt	attgttggtta	ttttttttt	tyctctctct	ctctctctwa	180
agaaaggaaa	atatcccaag	gactaatctg	atcgggtcct	ccttcatgaa	cgaatgcagg	240
aatttgaggaa	ctgagctgtg	caagtgtctga	agaaggagat	ttgtttggag	gaaacaggaa	300
agagaaagaa	aaggaaggaa	aaaatacata	atttcaggg			339

<210> 13903

<211> 431

<212> DNA

<213> Homo sapiens

<400> 13903

aaatcaagtc	cgcggggcat	ggaggctgct	gtcgtgcag	cagctcagct	tgcccggggc	60
gggaactccc	cctttctcct	ttcgccctcc	cagcaccac	accctgtctc	ccccttaatt	120
cttccctgga	taatagcacc	ctaacgacaa	cagtcaknmt	aataggggta	gaacgacagg	180
ggaggaaaac	tcaacagcct	aaatatctct	gaaaactgca	tcgcaaaatg	gaagaaagag	240
gggtccccc	tactgtttca	aaaaagagcc	atggaagtca	aatgctgagg	atgggtggcat	300
cataggatga	atggagctgg	gttcttgaaa	cactgcctgg	aggaaagaca	gcaaaaatgc	360
ctcatgaatc	caactggact	gttaggatgc	tcacccttgg	agaccagcaa	caatgtgtgc	420
agaaacccag	g					431

<210> 13904

<211> 423

<212> DNA

<213> Homo sapiens

<400> 13904

gcattcgctc	caggggtttg	ggaccctagg	ttgcggagtc	cttacctacc	ctggcctctc	60
gagcagttgt	cccataact	cggaatctag	agccgctggt	gcgaggcagg	agcacgtggc	120

agtcaagtag	cttcccagtc	ccgaacgccg	cccgtcccca	ccccgccgtg	gccactagca	180
acgacctctg	tgaagttgga	gaggcggtaa	cggaggcact	ccccctgctg	caccccgccg	240
tttctacggg	gctcagaaac	cagtttgttt	gtttcgctcg	ggtagtgctg	acctgtctta	300
cgggcgctcg	ccgagacagg	acggagtcaa	acccgtggta	tcaactgaag	acgagtgtca	360
ggatgtcatt	ttcaaaatgc	gggatgggtac	ctctgcttta	ttaagccccg	taggaagact	420
acc						423

<210> 13905

<211> 120

<212> DNA

<213> Homo sapiens

<400> 13905

aaaaagcgac	ttaaacctac	tagatttggc	agctggaaaag	gaggatagtg	gacatgtgat	60
gtcacattac	taaagaaagc	atcaaaaaaa	ctgcatcggt	ggaaatgagg	acccaaggta	120

<210> 13906

<211> 139

<212> DNA

<213> Homo sapiens

<400> 13906

ggaggaaggc	gctggcgggc	agtgatggcg	gctggtgatg	gggacgtgaa	gctaggcacc	60
ctggggagtg	gcagcgagag	cagcaacgac	ggcggcagcg	agagtccagg	cgacgcggga	120
gcggcagcgw	aagggggag					139

<210> 13907

<211> 382

<212> DNA

<213> Homo sapiens

<400> 13907

gagagccact	tccggaacaa	gcgtcgcggt	tctgaggaga	aactcttggt	gagaattccc	60
agagtgataa	tggctaccta	cagcctggcg	aacgagagac	tacgcgctct	ggaagacatt	120
gaacgggaaa	tcggcgccat	ccttcagaat	gcaggtagctg	tgatcctaga	attgtccaag	180
gaaaaaacta	acgarcggct	cctagaccgg	caggcgggcg	ccttcaccgc	ttcagtgcaa	240
cacgtggagg	cggastgtca	gctcagatcc	gctacctcac	ccagggtggc	acagggcagc	300
cccattgagg	ctccagctac	tcttcgagga	aggactgtca	gatggctctg	aagcgagtgg	360
actatgccgc	ctcaagctca	gt				382

<210> 13908

<211> 349

<212> DNA

<213> Homo sapiens

<400> 13908

agtgcgcgcc	tagcagtgtc	ccagccgggt	tcgtgtcgcc	atggggcaga	tcgagtgggc	60
catgtggggc	aacgagcagg	cgctggcgct	cggcctgac	ctcatcaccg	ggggcatcgt	120
ggccacagct	gggcgcttca	cccagtggta	ctttggtgcc	tactccattg	tggcgggcgt	180
gtttgtgtgc	ctgctggagt	acccccgggg	gaagaggaag	aaggggtcca	ccatggagcg	240
ctgggtgagtc	ccctcctgct	ctgggggtct	tccgggggtt	gcggggccca	ggcagggctc	300
acaggggttg	gtggagcttg	gtttctcact	tggaggctcc	ggaaccaac		349

<210> 13909

<211> 45
 <212> DNA
 <213> Homo sapiens

<400> 13909
 tccgcgcgcgc gcggacccaa cgagcccgcg ctcagactcc ccagc 45

<210> 13910
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 13910
 cttacctggg gcagtgtctg cctggtggcc actagagaca gcccagcctg ggccatggaa 60
 gaaaacccga ccttggaatc agaagcctgg ggctcctcta gggrgtggct ggccccccgg 120
 gaggscasag gnaggcccat cgctgncttc tgtgctgaac gagctgcca gtgctgccac 180
 ccttcggtac cgagaccctg ggggtgctgcc ttggggggcg ctggaggagg aggaggakga 240
 tkgwkgagg agcagaaaagg ccttcacaga agtcacccag acagagctgc aggamcctca 300
 mccttcccgc gaactgccct gnmccatgca ggccagaygg w 341

<210> 13911
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 13911
 tggggaggat gacgaggaga cgggagagta tgccactgac gaggatgagg agctgagccc 60
 cacgttcccg ggtggtgaga tggccatcga ggtgtttgag ctacgggaga acgaggatgc 120
 actgtcccct gtggacatgg agcccagaaa gctggtgcac aagttcaagg agctccagat 180
 caagcatgcg gtcactgag 199

<210> 13912
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 13912
 gtccttggca gggcacgtgc gggaggaagt ggaactccct gtacgcgcgg ccctagtcgg 60
 ctctcaacg tggacgatg ggaggccttg agaagaagaa gtatgaacga ggctcggcca 120
 ccaactacat cacc 134

<210> 13913
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 13913
 ggatggggag agaagaggga tagggccagc aaggcagggga tcgaacgagt gtctggcagc 60
 cgggagccca gcgaagagag cgagcaagct taggaaaacg agcgaagtaa aggg 114

<210> 13914
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 13914

atgtcagtgt	gacaactgat	cgggygaacg	atgcaccact	aaccaccatg	gaaacaagga	60
aaaataaagc	cagctcacag	gatctctctt	cactggattg	agagcctcag	cctgccgact	120
gagaaaaaga	gttccaggaa	aaagaaggaa	tcccggctgc	agcctcctgc	cttcctttat	180
attttaaaat	agagagataa	gattgcgtgc	atgtgtgcat	atctatagta	tatattttgt	240
acactttgtt	acacagacac	acaaatgcac	ctatttatac	cgggcaagaa	cacaaccatg	300
tgattatctc	aaccaaggaa	ctgaggaatc	cagcacgcaa	ggacatcgga	ggtgggctag	360
cactgaaact	gcttttcaag	catcatgctg	ctattcctgc	aaatactgaa	gaagcatggg	420
atttaaatat	tttacttcta	aataaaatga	attactcaat	ctcctatgac	catctataca	480
tactcc						486

<210> 13915

<211> 163

<212> DNA

<213> Homo sapiens

<400> 13915

ctttccagcc	tcacgcccgt	gggctgcagt	tggaacgatg	gcggcggcag	ctgccgcsgg	60
ggcctagccc	ggggttcttg	acctggggac	tccccagaag	ggcccaggag	ggaggctccg	120
gagcgtcggc	ggaaggcgca	cgggntgctg	aagctttact	acg		163

<210> 13916

<211> 116

<212> DNA

<213> Homo sapiens

<400> 13916

agatacgtgg	ctgccgtctg	tccccgctga	ggaggtgcag	cagccggaga	tggcggcggt	60
gctgaacgca	gagcgactcg	aggtgtccgt	cgacggcctc	acgctcagcc	cggacc	116

<210> 13917

<211> 342

<212> DNA

<213> Homo sapiens

<400> 13917

aagcagtatt	tccaggaggc	tgtgaggggg	agaatgttct	tttggccact	gtgaagcctc	60
aggaaggggc	tcgatttgct	caaggaccca	tgggagagag	gaggctttga	ctgggctgcc	120
tgctgtgag	gtctctggac	tagaggtcca	acgcagtcca	gctgacaagg	atggaatacg	180
ccatgaagtc	ccttagcctt	ctstacccca	agtcctcttc	caggcatgtg	tcagtgcgta	240
cctctgtggt	gacccagcag	ctgctgtcgg	agcccagccc	caaggccccc	agggccggcc	300
ctgccgcgta	asacggcgga	tcgaagcgtg	aggatggcat	ca		342

<210> 13918

<211> 170

<212> DNA

<213> Homo sapiens

<400> 13918

agtatttcca	ggaggctgtg	agggggaggt	ccaacgcagt	ccagctgaca	aggatggaat	60
acgccatgaa	gtcccttagc	cttctstacc	ccaagtccct	ctccaggcat	gtgtcagtgc	120
gtacctctgt	ggtgaccag	cagctgctgt	cggagcccag	ccccaaggcc		170

<210> 13919
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 13919
 gccattttga ttccttttcc ggaacaagtt tgcattctctc ctccgtctctc ccctgaagcc 60
 caccgggtccc caacgcatca tgccagggag ccaagcgccc tgcccggccg ttgtcccgac 120
 tgtgtgttcc aggagtgggtg gctctgaggt gtgaccc 157

<210> 13920
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 13920
 tgtcttcgtc cgccgttagg ttgctggctgc tgtgggtgcc aacgctacac tgggtagaac 60
 gccagacagg ggccactttt cgagaccgag tagagacgga cagtgaggag gataggakcc 120
 acttacacgc ttttatgtca gccgcgatcc cacc 155

<210> 13921
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 13921
 ccctaccacc cttgccatgt cacctcccag accttcagat tccaggtacc tcacctttgc 60
 ctgcacatgg aagccacctg gaccatcgga tcccagccaa cgccccactg tctttgtccc 120
 aggagctccc agacactcag gttccagcta cacacctttg ccctac 167

<210> 13922
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 13922
 aggaacttcc tgagcgcggg cagtggcggg cgggacttgg gggggcaggg ggcactgttc 60
 rnggtagagg agggggcgaa cgccgaattc cggcccgtag tccaggcgtc ccctgccagt 120
 gccccacatc ctccctcgggc cgattttttt cccgcgcggg caagggttg 169

<210> 13923
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 13923
 gaggaagatc gaccagagck ctctctctct tctctaggca tgtgctctga gaaaagggtca 60
 tctgaggaca aagtaccgt ctgcaagcca ggaagagagc ccttgccaga aactaaaccc 120
 cgctggaaac ttgattttgc gctttccagc ctctagaact aatatgtgaa aaacatttaa 180
 atcagaaaagt aaatgacagg atgatttgca agacacaggg atgtaaaatt aaaaagcctc 240
 tctgagctcca aagaagagag tgatgtggaa aagtctaaat atttgattat gaccagacaa 300
 ttaacaaacg gaagagccag aatttgggca ctaatttgct tgtctgtctg gaaaaaaaaa 360
 acaancaaac ctgcatcatg agatcacctg ctccactttg actcaaaggc atctgaaatt 420
 ackgtttaat atta 434

<210> 13924
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 13924
 gaaagggaaa ggctggagag ggagcgactg gaacaagaac agctggagag agagagacaa 60
 gaacgggaac ggcaggaacg cctggagcgg caggaacgcc tggagcggca ggaacgcctg 120
 gagcggcagg aacgcctgga tcgggagagg caagaaagac aagaacgaga gagggctggag 180
 agactggaac gggagaggca agagg 205

<210> 13925
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 13925
 agttaccgag tttctaaggc ctcgtcccct gacgggaagg cggcggttggg gggcggctgg 60
 gtttaccctt cgagatctct gatggatttg ttgactcctc tgtgggagaa aggccttggtc 120
 tactgcaggt gttaacgcta agccaggctg gagctgcg 158

<210> 13926
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 13926
 gagatctgtc cagctgcggt gagaggaacg ctgaatcgcc gaagagaatt ggctgcgctt 60
 ccttgtttgt gagctagaat tagaatggcg atcagtcac gaagcgatgs aactttctcc 120
 agtcagaaay caacaccttc agagagtcct cgaacaaaga aatttcact aactgaagag 180
 gaaatatattt atatgaattg tagagctgcc tacttaactg tcttcaaaag cagcttgga 240
 aacattattt ctaaagatca actttactta ggtaaatttt taaaattttt aaatctttca 300
 cctttttgtt gaaagttaat aaataggtcc gaaagactga aattagaatt accttggtga 360
 atcatcccag tttcttagtg aagcttgagc aatg 394

<210> 13927
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 13927
 agaaggcggc ggctgtcaga gctggagggc cgggcaccgc ggccatggag ggtcaacgct 60
 ggctgccgct ggaggccaat cccgaggtca ccaaccagtt tcttanacaa ttaggtctac 120
 atcctaactg gcaattcggt gatgtatatg gaatggatcc tgaact 166

<210> 13928
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 13928
 acgcgtctca tccatggctt ccgcggactc gcgcggstg gcagatggcg gcggtgccgg 60
 gggcacttcc agccctacct agacaccttg cggcaggagc tgcagcagac ggaccaacg 120

ctgttggtcag	tagtggtggc	ggttcttgcg	gtgctgctga	cgctagtctt	ctggaagtta	180
atccggagca	gaaggagcag	tcagagagct	gttcttcttg	ttggcntttg	tgattccggg	240
aaaacgttgc	tctttgtcag	ggtgttaaca	ggcctttata	gagacactca	gacgtccatt	300
actsmcagct	gtgctgtata	cagagtcaac	aataacaggg	gcaatagt		348

<210> 13929

<211> 198

<212> DNA

<213> Homo sapiens

<400> 13929

ttgtcacgtg	cccggatata	ggaagtgttg	ggggaacggc	cgcttcccgt	tcaacgcttt	60
attgaggggc	gtatcctagt	ggcccccatc	cggtctccgt	tttggaagac	ccgcctcggc	120
acagccaggc	tcagtccggc	cttgcgctga	gaaaagatga	cagcaatcaa	gcatgcatta	180
caaagagaca	tttttaca					198

<210> 13930

<211> 105

<212> DNA

<213> Homo sapiens

<400> 13930

tttcatcacc	ttgttttttt	gaacactgta	taccctctgt	gaatgtaaaa	acatttgaag	60
agtatcaagc	actccacggg	tagtggcagt	tgcaagaagt	ctgggt		105

<210> 13931

<211> 246

<212> DNA

<213> Homo sapiens

<400> 13931

attccacaga	ctttcgctcc	ctagcagcgg	gtcggagatc	gaaggaacgg	gccaatgctg	60
gctgaaacgt	ctttggaagg	aggaaggggg	tgagggagca	tccctttgag	tttcgcctct	120
tctcgaggcg	gtggtgggaa	gggagacata	cttaatactg	ccctcttaat	ccaacggacc	180
ttacatcgtg	tagactgccg	ggagggcgcc	gggaaaaggg	caagacggga	gtyggggaag	240
ggaagg						246

<210> 13932

<211> 194

<212> DNA

<213> Homo sapiens

<400> 13932

ggattatgac	gctggattat	gacgcaggca	gtgggcgcgg	actctgcggt	tcgcttgact	60
gacggcgcac	tccgggccta	gccacagcag	caacggcaga	ggccagcggg	cgaggtcaag	120
atggtggctc	cgcgggcggg	ggagggcagt	gagggaggag	gagtcagacc	ttagccagcc	180
ggaaacaccg	aaac					194

<210> 13933

<211> 88

<212> DNA

<213> Homo sapiens

<400> 13933

agggggcctg gagggaaacgg cagccagctg ctgaggttct gctctctggt gctgaccttc 60
cttccccctc ccctctgaac ttcccacc 88

<210> 13934
<211> 253
<212> DNA
<213> Homo sapiens

<400> 13934
cccaggctgt cgccgggtgt gcagcggcgt cgcggccagt agagggattc tgggtaacgg 60
cccggacccc cggctgggct tctggctcgg cgcasaggtt ccattcacgc caagtctggt 120
ggcagtggca gtngtagggc caakggcggg ttgtaggagc ccggagcagc cggacatgga 180
acaaccgtgg ccgcctccgg gaccctggag cctccctcgg gccgaggggtg aggctgwkga 240
agagagtkac ttc 253

<210> 13935
<211> 153
<212> DNA
<213> Homo sapiens

<400> 13935
gcgcaagtct gtcagccagt cagtccgcca gtccgccagc ccagtacctc tctctcctcg 60
gccctcgtaa gctgtccgcg gtctgtttgg cccgaacggc ggcggaggcg ctgatcatgg 120
cgacattcat ctcggtgcag ctgaaaaaga cct 153

<210> 13936
<211> 375
<212> DNA
<213> Homo sapiens

<400> 13936
aagcctcggc tacttccgag ggggtgagtg gcttcaccgc cgggtcccttg cagcgtgccc 60
ttcgatctct ccacatctcg gtggcgcggt atctcaagat gcgcctccac ctgctcctgc 120
tgctcgcgct gtgcggtkca ggcaccaccg ccgcgggastc agttacagct tgcgtggcaa 180
ctggagcatc tgcaatggga acggctcgct ggagctgccc ggggcgggtcc ctggctgcgt 240
gcacagcgcc ttgttccagc agggcctgat ccaggattct tactacagat ttaatgacct 300
tamctacaga tgggtctctt tggataactg gacctatagc aaagaattta aaatcccctt 360
tgaaattagc aaatg 375

<210> 13937
<211> 290
<212> DNA
<213> Homo sapiens

<400> 13937
ttgaagagtc ccgccccctc catacgggag gaaacgtgtg tccctggggc cctcagccaa 60
gcctccacta tctttttggc ccagacggat ttcccaggct acaagtggct ggagacttcc 120
tcttgaaaaa catttgccgt cgtttttcnc tggcagagcc cctttgacct tggctaacia 180
ggacagcctg acttggatcc cactatgcag gaaggaaggc gactcttccc cgcacctctt 240
gctacgatta ggacttgca cttggtgaaa acaggaatca aaacttgggc 290

<210> 13938
<211> 211
<212> DNA

<213> Homo sapiens

<400> 13938

caacgagccc	acggccgcng	ccatcgcccta	cggcctggac	agaacgggca	agggggagcg	60
caacgtgctc	atctttgacc	tgggcggggg	caccttcgac	gtgtccatcc	tgacgatcga	120
cgacggcacc	ttcgaggtga	agggcacggc	cggggacacc	cacctgggtg	gggaggactt	180
tgacaacagg	ctggtgaacc	acttcgtgga	g			211

<210> 13939

<211> 116

<212> DNA

<213> Homo sapiens

<400> 13939

agctggagcc	cgcgagccac	ggagcccacg	gaggagccca	cggaggagcc	ccagcgctccg	60
aacgggcaga	ccccctcgag	ccgcgaagga	gcccgagaag	cagccacgat	gtgcgc	116

<210> 13940

<211> 191

<212> DNA

<213> Homo sapiens

<400> 13940

acagccttgc	agcgtctccg	gaagtggagg	cgggagcggc	acggcagcca	ctgcttgggg	60
tagcgggagg	gcagactctg	ggcgccactc	ccgggcccgt	catgaacggg	ccggcggacg	120
gcgaagtgga	ctacaaaaaa	aaataccgga	atctgaagcg	gaagctcaag	ttcctcatct	180
acgagcacga	g					191

<210> 13941

<211> 342

<212> DNA

<213> Homo sapiens

<400> 13941

aagtctttta	catatttatt	atctgtaata	gttttagctgt	agattctttt	ggaattttct	60
ctataatcat	atctgtaaat	atcaacaggt	ttattttcttc	atttccaatc	tttatcactt	120
tcgttactgt	tttttctagc	tcattgtact	ggctaggatc	tcttctataa	cgggtgaataa	180
atgcggtgaa	taaggacat	tcttgacttg	ttcccaactg	caggaggaaa	attatattat	240
taactagggt	gcttggttg	ggtttctttt	ggggggtgga	ggtagatatt	ataagattac	300
ataagtttta	tttctatttt	gctaagtttt	ttatmatgaa	cg		342

<210> 13942

<211> 84

<212> DNA

<213> Homo sapiens

<400> 13942

taataattat	amactcttag	aactggaagc	tacctacttt	tatgtgctac	agcttgtcat	60
gcaacgtatg	catgtctctc	tctc				84

<210> 13943

<211> 166

<212> DNA

<213> Homo sapiens

<400> 13943
 agtgccttca gcatctccac cccgaggtgg tttgaacttt gagccttttg tagtcctgat 60
 gaataatttc attttccctca agtttatgac actcggaacg tcaagaactg gaggtttgtg 120
 caatttgaga ccggtcggca ctgtgcagag atcagagtac taagag 166

<210> 13944
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 13944
 cgttttcatc ctggtttttg gacagcggca atcatggcgc cacctgtgag atactgcatc 60
 cccggcgaac gtctgtgtaa cttggaggag ggcagcccg gcagcggcac ctacacccgc 120
 cacggctaca tcttttcgtc gcttgccggc tgtctgatga agagcagcga gaatggcgcg 180
 gtaaaggaag cggcatgccca tctccctct gtttttccct taggctgcc ttgagttcca 240
 gtccttaggc atgggcactg cggacgcgks tttagtgcct cagtgggtaca atgttggtct 300
 cttagtttct tctagccgta tcgccgcngt ggtgcacnka gccaccacac actagttgtg 360
 ttgatctcga ttggttgtgc tgctgaccct cggggaggga agttgggaca aaagcagat 419

<210> 13945
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 13945
 gtccttttat gaacgtgagc ttgatacttt gaaaagggtca cagcttttta cagcagaaag 60
 cctacaggcc agcaaagaaa aggaagctga tcttagaaaa gaatttcagg 110

<210> 13946
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 13946
 ctgttaggcc ccggccgggg gagtaggttg aagtctccta agatgcccg tgggctgggg 60
 caccgggagc tgtgaagggg acgtgagggg gcggcgtagt ggagaccac ggcaggcctg 120
 aagaagagcg gcggccgagc ccgccttccc tgcaccatgc tcatagagga tgtggatgcc 180
 ctcaagtcct ggctggccaa gttactggag ccgatatgtg atgctgatcc ttcagcctta 240
 gccaaactatg ttgtagcact ggtcaagaag gacaaacctg a 281

<210> 13947
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 13947
 attagagaag aagcaggcag cttgagacag gtggagctgg atcaagctgt gaacgtgatt 60
 tgctggaagc tggtcattag tgttgacgat gtgtcacact gtgtaaggga atcgcatgga 120
 gatgggcatt ccgaactgtt aatggggaca tgggactcca gttgtctctg atcacttgtg 180
 tggattttmm tggcgtagaa cgmcaagaag cgctagtaag tcgccaagac ctacagcarg 240
 aattctgcac caaagggcag aaaatcttgt tattttaatt tgcattctgg 289

<210> 13948

<211> 96
 <212> DNA
 <213> Homo sapiens

<400> 13948
 ccggyagtcg gcccgcgcct cccccggcgc tactkscacc tcgcgctcgg aggcgtcaca 60
 gaacgtgctc ttctctcccc ctccccctc ccgctc 96

<210> 13949
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 13949
 aggcaacgtg gccttccaga ccgctggtag tggacttgag gctgtcggga aggaggggtg 60
 tggcctagac cactaagggc cgtgacgtgg tgccgctgag cttggacccc gaccagaaga 120
 tagagattga aacgat 136

<210> 13950
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 13950
 agctgartga atacctccga agccgctttg ttctccagat gtgaatagct ccactatacc 60
 agcctcrwmt tccttccggg ggacaacgtg ggtcagggca cagagagata tttaatgtca 120
 cctctctggg gctttcatgg gactccctct gccacatttt ttggagggtg ggaaagtgtg 180
 tagaggcttc agaactccag cctaattgat cccaaactca ggagaatggc tgcgtccctg 240
 ctggctgtgc tgctgctgct gctggagcgc ggcattgtct cctcacctc cccgcccccg 300

<210> 13951
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 13951
 tgccttggtta aatcgtcaac agcagcagca ccaccatcat tgattgggtt atggcaggaa 60
 atgctatagt tagatttgct acaaattagt ttagatagag agtatgggtg aaaataaggt 120
 aatcttttca gatgttgtct gataaatgga agcagtgcac tcatgagcag agctgcaaaa 180
 taaatgttga gtacaccttt gaaacaaggt tgcctaccgt gaattatagc aaacaaacgg 240
 aagtattctc aaggtgtgtg gaatcaataa aaaccaaagt gtcaagatgc aaagagcagt 300
 cagcttgat aggtgcccac aactactaat cataacttga taggtgtgga aagaactgct 360
 gaataccctc cctcttacac tgccccaaact atggcactgc cctaga 406

<210> 13952
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 13952
 gattgagatt ttgtgcacaa gnacaaatca ggaaatccga gaaattgtca gatgttatca 60
 gtcagaattt ggacgagacc ttgaaaagga cattaggtca gatacatcag gacattttga 120
 acgtttactt gtgtccatgt gccagggtgag tatagtatga atgcttgtgc gttgatagag 180
 g 181

<210> 13953
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 13953
 attgcgccgc ggcacggcct agcgagtggg tcttctgcgc tactgctgcg cgaatcggcg 60
 accccagtgc ctcgaccact atgccgcgct ctttctcgt caggaagccc tccgaccca 120
 atcggaagcc taactacagc gagctgcagg actctaattc agagtttacc ttccagcagc 180
 cctacgacca ggc 193

<210> 13954
 <211> 647
 <212> DNA
 <213> Homo sapiens

<400> 13954
 agacgctctg cttegtgacc ttggctctgc tctgtgggag ccgccccagc ctgggcgcgt 60
 ccacgtctga gtaccttctc ctctgcctcc ccttccctct gcttctatct ctctccaatt 120
 gccctccctg gcctgcggcn gcccggtcct ccttcccagc ccagtgcagc caggcaccgc 180
 ggttcggctt gctcaggtct ctgtccggga ctgggaagcc acggagggcc gggaaagtgg 240
 cacactcctg gagctcaagc ttctactct ctcatcgtg aataactacc gggcaggact 300
 ggggtggaaca gacagcatat ttaggtcatt gatgggctgc tgggtggatg gagctggaaa 360
 gtgatgggca ctgctttctg ggggstgccc aggttccttc cgagggctcg cttttcctgg 420
 gcagagcggg aaagaggagg ggcaggccgg tcgcgaaacg caaatagtcg agaatagcga 480
 tccggggaga agcaggtgtc tgtggggccc aagagaagta ccactctgct aaaaattcag 540
 attgaactat cttacaaatg gctcccagaa gatccactcc ctgtgggaac acagcagttg 600
 tggaagtga gacaggactg gaccagaaat aagggttcaa atatgtg 647

<210> 13955
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 13955
 agtgggacac tgcagggtgc ggggacaact acgaagatgg cggttgcgcg cttggcagct 60
 gtggcggcct gggtagcttg tcggagctgg ggctgggcag ccgtccctt cggccccac 120
 cgtggcctca gcgtgctgct tgcacggata cctcagcggg cgccacgggtg gctcccagg 180
 ttgattactc aggagtwgga agttcagatg gtaactcaga ggaaag 226

<210> 13956
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 13956
 acttccggga ctcagggtcg cagggaacta cttccggggg agcggcgcggn cggcgcgggga 60
 ggatctctca ccccgctact cagggtggcg caatcacgac tcattggctc actgcagcct 120
 agacctcca gctggagcaa ttctcctgcc tcagccttct gagtagctgg gactacagtt 180
 ggttctaaag agtggtgagt cagaagagac gtcaggcagc aagcgacttg ggccatggcc 240
 tctgacctag acttctcacc tccggagggtg cccgagccca ctttctctgga gaacctgcta 300
 cggtagcgac tcttctctgg agcsatcttc cagctcatct gtgtgctggc catcatcg 358

<210> 13957
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 13957
 tagacttttc ttgaaagggc agaagccagc tcctctcccg aatcccagaa tctgacattc 60
 caggactcca ctaggcctgt tttcctctgt gggaactaga gccaaggcga gagaccctgt 120
 ccagccccga ggctcccggg gcccatgggc ccaggcatcg ggctggtaga gggccccggg 180
 gctctctcag cccatctgtc accctctccc cccaacaccc agatgtcc 228

<210> 13958
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 13958
 cagctaagga ctgcaaaacc ccactctgca tcaactagat caaggacagt gtgggtggccg 60
 gcttccagtg ggccaccaag gagggcgcac tgtgtgagg 99

<210> 13959
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 13959
 gagcagtcgt gcattccag cctcgcctcg ggtgtagggg ttgcatagaa aagcaaaact 60
 acacagtctt gactgtgtag ttttggtttt aggattagag gctcacgat tcatgtcgga 120
 gatgggtcaga aaaaccaact ctccatagga cgtcgtttca gaagcaacct tgggcttagt 180
 cccacccttt ttaggcaact ttgagaaatc agagtgccta gaaagatgac aactcaagca 240
 ccgamgttta cgc 253

<210> 13960
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 13960
 agggcaatct gccggaagag tcaggttctg tgtatgtctc cgcgtcttcc gcggagrtrtt 60
 gntgcagggc ctgcagcatt gaactagatg tcgtccccgc agccccagaa gatgggcagg 120
 gctgtggcga ccgcggcgat cccctgggg acctccgtag cgtcttggtc acgaccgtgc 180
 tcaacctcga gccgctggac gaggatctct tcagggaccc taacctcaa aagaggtacc 240
 cattggcgt caaccgaant gctgctcagg aggtcccat tgagatcaag ccagtraacc 300
 catcccccc 309

<210> 13961
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 13961
 aagggacatg tgaactaggc atgaatgcaa gaggggtgctt ggcattttta gggcactgtg 60
 agtagaccaa tatggatggt tctaaaatcg ccagaattgg ccggatgcag tggctcacac 120
 ctgcagtgcc agcacttttg gagggccngt ggggt 154

<210> 13962
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 13962
 tcatgttata atcatttgct tgtgtgattt taccacacac tgtatccaac taggtagcat 60
 tactggaaaa cttatttgat tttttgccaa atgggagatg gctggaatat tttttgtagt 120
 agagaatatg tgg 133

<210> 13963
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 13963
 gtctgatgtc gtggcgcttt aggggaagaa gttggtgttt cgctgggccc tggtagtgaa 60
 gacgcggctc gggcgcccc tagctgtttc ctactcacc aaagccccgc acccgcttt 120
 tctctctctc ctctggcagg atgaggcggt caggcctggg tgaaggagta cctcctggca 180
 actatgggaa ctatggctat gctaatagtg ggtatagtgc ctgtgaagaa gaaaatgaga 240

<210> 13964
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 13964
 cctcaactat ttgtgtattc tgaaatacaa ttcaaaccgg gaaagcagga taaatgcttg 60
 atttcttctt tttatttaaa catcttcaga ataatgagtt ggtgtcatag caccctctta 120
 agatgaccaa tgagggtttt ttttttttcc tcaataatat ggactcaag 169

<210> 13965
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 13965
 acctatttcc aaataagttc acattcatag gtaccagggt ttaggatttc aacatatctt 60
 tttgggagac ataattcaac tcacaagaat ggctttattg aaatatactg taccacatac 120
 catatcagtt caccatttaa agwatacaac ttatggtttt tagtatgtgc acaggtttgt 180
 acaaccatca ttacaagata atttttaaaa attgtcattc cccttaaaag aaactccata 240
 ctcatcagta gtcactctat attttcccc ttctgtctct atccctaagc aaccactaat 300
 ctactttatg tctctgtata tacgcccac 329

<210> 13966
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 13966
 caagttttcc aattcgtttt actaagctag caaaattttt tataccaggw gcattaggag 60
 cttcacctgt ggaggccttc aagggttca tgactcctga agttataggc tgactcctgg 120
 gctggggggg ctgggnaact cacacctttg tctgtcaggt ggccatycga gaggcctatg 180

aggcaggtct gattggcaag aatgcttggt gctctggcta tgattttgac gtgtttgtgg 240

<210> 13967
<211> 244
<212> DNA
<213> Homo sapiens

<400> 13967
atttagayct ttgcaacctg taatgggctc gtgaggccag gcacaagacc cctgctcctg 60
acttagcccc tcacccttat ttattattgt agctatttat ttatttattg aagatgtccc 120
ccaggggccc aggctccctt gccgcgcccc agccctgccc ctctgtaca tatagccctt 180
tccccactca gctgtggtgt ctctgtggccc cgtgaactca ccgtcaccc tcctgaaccc 240
ccca 244

<210> 13968
<211> 296
<212> DNA
<213> Homo sapiens

<400> 13968
cactcactca cgatataact cactgatttca ctcacaatct catagactca cgattttact 60
cacgatctta cgatctctca caatctcact cacagactca ctcacagact cacgatctca 120
ctcacgattt cgckcactca tgatctcact cacagactca cgatctcact cactgatttca 180
ctcactcaca ggctgacgat ctcacgatct castcacaat ctcacttatt catgatctca 240
tgatctcact gactcatgat ctcactcacg atctcactca tgatatcact cacgat 296

<210> 13969
<211> 212
<212> DNA
<213> Homo sapiens

<400> 13969
actcagggac cggagcagcc ctcaactcac tcttcagctt ccttgcctgtg ttgcagccca 60
gccgtccat catgtccttc agtgcagacc agattgctga attcaaggag gcatttctcc 120
tgtttgacag aacaggtgat tccaagatca ccttaagcca ggtcggtgat gtccttcgag 180
ctctgggcac aaaycccacc aatgcagwgg tc 212

<210> 13970
<211> 703
<212> DNA
<213> Homo sapiens

<400> 13970
gcatcccta agactgtggc tatttcaagt ctctctccct gcctgccttc cttttccctt 60
cctttccctt cctcatgttt tctggttggt cccatctgta ccagtcctt tccatccacc 120
ttcgtatgca cccagatttt tctgttccca tctgtcctat ttgttattca tcccgtgct 180
caacttctcc agtatgttgc ttcctttaag ttgccattca ttctcttcat gacttttact 240
aactcacttc ggtctctgtc tgtcaactaa acttttctaa aggttaccag ttatccaatc 300
accaaatcca tggctttttc tcaaagctta gtcttgcctt tggcagaact ggacactatt 360
gaccatcaa atggaaattc cctttctctg gtgtctctga caaatggctc ttgtccttat 420
cttgtgctgg tggatgaagag gccctcaaag ccaggcctct ctattccttt gactgtctcc 480
tcagccatta acccattctt catcctcgga gtgagtgatt cccaagtctt tgtcttggct 540
taatccctaa agaaccaggt tctgctggta tcgaatagtt cagcttgggt gtcattgaaa 600
ggaatttctc tcttctgtcc atcagcctgt cctcccaac tgtctaggac agtcttcggt 660

camctaaatt cctaactgca gacttttgcc tttttctctc tca

703

<210> 13971

<211> 302

<212> DNA

<213> Homo sapiens

<400> 13971

taagcacttg	ttggcctaca	gaggtgtggc	aagcagagca	cctcagaact	caggcgctact	60
gcccgcgcgc	cgagccctgc	gagggccgat	agcgagggtg	tggcccttat	ctgcacccar	120
cagacgcgcg	gcgrggtggt	cctagtggag	agcagtgagc	gtctgggagg	ctggattcgc	180
tccgttcgag	gccctaattg	tgctatcttt	gagcttggac	ctcggggaan	tagggcagcg	240
ggagccctag	gggcccggac	cttgctcctg	gtgagaggct	tgtggratgt	ctaggagagg	300
tt						302

<210> 13972

<211> 169

<212> DNA

<213> Homo sapiens

<400> 13972

cgtaatagca	tctattatta	ctatgtaata	tctcctctta	tttgctttaa	tatagtaact	60
cattagcagt	gacataatat	tcatacagca	gtgtttatct	tcattacttg	ctttacttaa	120
tgaagactta	agcccttttt	acagcccat	tttctctccc	ctgtamgcc		169

<210> 13973

<211> 94

<212> DNA

<213> Homo sapiens

<400> 13973

tttctctgag	agctgggaca	gacttttctt	ttgctgcctt	agacatcaga	actccaggct	60
tgctggactt	tagactccag	aacttacatc	actg			94

<210> 13974

<211> 418

<212> DNA

<213> Homo sapiens

<400> 13974

agcatttttg	gaaagagtgg	aattctgggt	gttaggcccc	ccattcgctt	gactcacgcc	60
ttcgccgtag	catctttcgc	agcggaccga	agagaagaaa	agtaggccag	agccggtgag	120
gctggggacg	ggcgagggga	ggtcgaggcg	cctgtgaggg	gccaggggct	ggagaaagac	180
ttgctgcatg	gaactctgcg	gggctcgggg	aggggaagaa	gcgggaagct	tgggccaccc	240
aaacatcagc	gtcgcctcac	tagctcctgg	aagtaagttc	attagctttc	ccctcaacgt	300
gcatgcttct	cacattctgt	atctctccag	gtgagtgttt	ttcaaagctt	ccaggcagta	360
atctcgaagt	cattttctgat	tgmctatctc	cttcccccaa	atcctatgag	tttttttt	418

<210> 13975

<211> 165

<212> DNA

<213> Homo sapiens

<400> 13975

atcctttgag	ggagctcagg	gacatttcgg	gattctggat	ttcttgggtct	gcaactccct	60
gtgtgccagg	cggggctggg	ccccgctgcg	gctggctggc	gtttggcgct	ctcatcgagg	120
gagcgcttcg	ctttgaaatc	taccactcc	ttttttttt	ttttt		165

<210> 13976
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 13976						
tagatcacgt	ctccgtctca	ttctatagcc	ctcattccag	cacaggatct	cagcaatttt	60
tccctcttcc	ccccaccac	tccagcgcgc	agagtccttt	cttctctctc	atttacaact	120
tctttttaaa	agaaaacatt	ttctagaaaa	agggctttgc	taaacagaaa	agatataaaa	180
caaaagccac	agctatctag	catggcattg	tcaccaactc	cctttgcatg	gtgatgcatg	240
taaggtagca	gcatttttat	tattcaggaa	aagcagctgg	gggattcatc	agttctgagg	300
ctttgtcttt	ctgggttaac	tgatgggtccc	aagcctcggc	ttgacctgac	catgatgcc	360
aggactggca	ctttttcttt	tttctcagca	aactgtacaa	aaccaaatct	ctttttgatt	420
ttcaaggaaa	ctaggttctt	gccaaatttt	gaatctggac	aataaacaga	cactttgtcc	480
tagcatcttt	ctggaa					496

<210> 13977
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 13977						
cctcccttaa	gctggctagc	accgtttaga	actccttgtc	attgcctctt	ctttaggggc	60
ctcccttgat	gatgctgggt	taggttggct	gccctgcact	tacttgacac	gcacaacggt	120
gtaattgcta	atttgatgc	ctgttacctc	tgcacaccgt	gggcactgtg	agagcagtga	180
ccttgctcct	ggcttagcat	tg				202

<210> 13978
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 13978						
atttcaggag	gactctcaca	ggctcccaca	gcctgtgtta	agctgagggt	tcccctagat	60
ctcgtatatc	cccaacacat	acctccacgc	acacacatcc	ccaagaacct	cgagctcaca	120
ccaacagaca	cacgcgcgca	tasacactcg	ctctcgcttg	tccatctccc	tcccggggga	180
gccggcgcgc	gtccccacct	ttgccgcaca	ctccggcgag	ccgagcccgc	agcgtcccag	240
gattctgcgg	ctcggaactc	ggattgcagc	tctgaacccc	catggtgggt	ttttaaacac	300
ttcttttctt	tctcttcttc	gttttgattg	caccgtttcc	atctgggggc	tagaggagca	360
aggcagcagc	cttccca					377

<210> 13979
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 13979						
agagcgcasc	ngcacgcccc	gcgagttcca	gaggcgccag	tggaagctgc	ggcggcrgtg	60
tctcgcgttc	ggcgggattt	ctcttcgcctc	cggctcggcc	taggtctacg	tccccagctc	120
cagccgcggg	ctcggactcg	gtctctgacc	cccaactcgg	tcccctagtc	cggccccggc	180

tccgggcccc ccaac

195

<210> 13980
<211> 643
<212> DNA
<213> Homo sapiens

<400> 13980
aaagaatcaa attcatagga taagtcatac cttaatgggtg gtagagcctt tacctgtagc 60
ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg ggtccttctg 120
tccagttttc agcactagtc ttamttcags ytatccatta tagttttgcc cttaagaagt 180
catgattaac ttatgaaaaa attatattggg gacaggagtg tgataccttc cttgggtttt 240
ttttgcagcc ctcaaactct atcttcctgc cccacaatgt gagcagctac ccctgatact 300
ccttttcttt aatgatttaa ctatcaactt gataaataac ttataggtga tagtgataat 360
tcctgattcc aagaatgccca tctgataaaa aagaatagaa atggaaagtg ggactgagag 420
ggagtcagca ggcattgctgc ggtggcgggc actccctctg ccactatccc cagggaagga 480
aaggctcngc catttgggaa agtgggtttct acgtcactgg acaccgggtc tgagcattag 540
tttgaraact cgttccccgaa tgtgctttcc tccctctccc ctgcccacct caagtttaat 600
aaataagggt gtacttttct tactataaaa taaatgtctg taa 643

<210> 13981
<211> 227
<212> DNA
<213> Homo sapiens

<400> 13981
cccctgtgat tggaggacga caacaaacgg atgggtttggg ctcaggagga aaggacctgc 60
ctgatggagc ccggcaattg gcgggagaga kagcgtgtgt aactctaggg aggggagaat 120
cacccttag cgacatcacc cccacgcgcg tgactgagac tgcctcctcc catgagggta 180
aacgtgggag gtaaagagac cttccgctgc gtaaagctgg atcgacc 227

<210> 13982
<211> 471
<212> DNA
<213> Homo sapiens

<400> 13982
tytttctccg krscagcttc acaactgccc tgkyttcctg gctactgctg ctgctgtctt 60
ctcacacata gacacgcaca cacacccttt ctgcacaca cacacacaca cacacacaca 120
ctctcacaca ttctcacatg ctagaccctt ctaagcagct tgtccgtttt tacacatgta 180
tctgaactct cctgcatcac tcttgcccat tttctcgcat tcgattgctt ttgccgtttt 240
ttatttagat cagtacttga tttcattttc attttccagt ctactttggg gttctcgag 300
tggaataatt agccaaaatg tttttcttgt ggagacatta gctgacaatt cccaccacag 360
actggcttgt acgtcctccc agggagacct aaacctggct cccctcmcas cgsagttctt 420
aataktgtgg ataagagatc catctktctc attctggata cctacttagt g 471

<210> 13983
<211> 134
<212> DNA
<213> Homo sapiens

<400> 13983
ttagttttgg atcatctagg tgtgttaact ctgaagtcag atgactcagt agtcaatttt 60
atgtatgttt gaatttatgg ttaattgtga ggccttcaca cacaattatt catgtaatta 120

atattttaata caca

134

<210> 13984

<211> 360

<212> DNA

<213> Homo sapiens

<400> 13984

tagctgtttt	agagaactcc	agttaattmg	aaaatgctta	actttttctg	tgttcatgat	60
tataaatcta	attttgttt	atgggttttag	gtctcgtcag	cctatctcgg	cccctctctt	120
ttcatgtcct	gacaaaaacn	aggttaawtt	cmwkcccaac	cgggrtcagc	tttckgtcck	180
gtaaaacttc	taggccccct	cttacctgct	tctgacctta	tgctcaagaa	ctcycctaac	240
tctggccaga	gctcagcttt	ggcaactctg	accggtgagc	agctctcatc	ccgggtttcc	300
tttacgtctc	tttctgatga	caccagcaca	gcgggctcca	tggaggcctc	tgtccagcag	360

<210> 13985

<211> 150

<212> DNA

<213> Homo sapiens

<400> 13985

aagaactctg	agaccgggag	cccagctgcc	cacctctcgg	acattcaccc	agccaggtgg	60
tctcgtcacc	tcagaggctc	cgccagactc	ctgcccaggc	caggactgag	gcaagcctca	120
aggcacttct	aggacctgcc	tctttctcacc				150

<210> 13986

<211> 300

<212> DNA

<213> Homo sapiens

<400> 13986

tttagggcta	ttagtgatta	tgtctatatt	tatattaaca	tgcttttttt	cttcaattat	60
tttggtttac	agtttttagac	attgtttatt	gacttctctg	tctgcaagat	gaggatttag	120
ataactttct	caactctgct	ttctttcatg	tttctctcta	atatgatttc	atgactattc	180
acagttcaac	cctatcaatg	ttgtaatttc	aagtcttaga	tttgaatctt	cattattttt	240
caacaatagg	aaaaatctct	tacctccata	tttttaaaat	acgaagacag	ttacaccccc	300

<210> 13987

<211> 1292

<212> DNA

<213> Homo sapiens

<400> 13987

aaattactaa	ttggtwwtat	ttcccttcac	actctgcctc	cccactttctc	cccccgttac	60
tgaaaaataa	ccatttttagt	gtcaggctag	aaattgaatt	gctgagtttt	gtgtatcctt	120
taaaattaaa	accacaagtg	tttattgtag	tggttaaact	gtagcatctc	agcatctggg	180
tggaagctgc	ctatatttct	tcccagttta	actggggacc	atctgtgaaa	ttaatTTTcc	240
atccagacag	ctgctgtgag	caaatgraca	taaatgctcg	ctggaaattt	actaaccagt	300
ttttatattg	acctgcagtg	taaaaagcac	atttaattat	aaacaatata	ttcaaaatgg	360
gcaaatttta	ttttcaaattg	cagtgtagag	ctagattaaa	agcaactctt	tgccacctac	420
tctgcccttt	tggcaaagtt	accttgaaca	aagaatctta	aggggtttatt	aagaactctt	480
tattttcttc	ataccctgtt	ctctgcagtg	ctttctaaca	gcttctgggt	gcagattttc	540
ttcggcatcc	ttttgcactc	agcttattac	aggtaggtag	tgcttaagaa	aagtcatgga	600
ggactaaagc	ctaagtcctt	ttcamyttts	cctccatctg	aaggtaggtg	agttcatcct	660

cttcatagta	atgctgtttt	accaagactt	tatagcagat	ggacccagaa	agaattttct	720
gctatttgt	tcactacaac	aggataggga	catcagacag	ccccagaaac	cccttccaga	780
tctgatatgg	gactattaat	ttttatgctg	ttaattggta	ttcattcaca	atgcagttga	840
agggggaagg	ctccactgca	ttctttggct	aaggcctgaa	tgcttgetca	tctgtaagat	900
ctatactcga	ggttttgttt	tcctttttaa	attcttttagg	gagagaggga	tggtttctga	960
ggggttctga	aagtatgatt	caatgtgcaa	catacaggta	ggtcttcagc	ataagctgaa	1020
atatatgcat	gtaaaaactt	tgacatcttt	ttttttaatt	ttccactttc	ttcttaactt	1080
tacttctctt	tttgtcccc	ccccatctta	cagaagttga	ggccaaggga	gaatrhtagg	1140
cacagaagaa	acatggcaaa	ctgctctgtg	ctttcaaacc	aaagtgttcc	ccccaacccc	1200
anknnttgtc	taagcactgg	ccagtctgtt	gtgggcattg	ttttctacaa	ccaaatctgg	1260
gtttttttct	tcctttctta	aacatagagg	ta			1292

<210> 13988

<211> 153

<212> DNA

<213> Homo sapiens

<400> 13988

acccatgctt	ttatggacac	taggtaaaca	ccttcagctt	aaatttttctg	ttaaatat	60
tagtttattt	tattgttatt	ttccagggtg	ctaaatctcc	agtctgtctg	ttgtactggt	120
aatttaactc	tgtaatggaa	tagtttgctg	cca			153

<210> 13989

<211> 440

<212> DNA

<213> Homo sapiens

<400> 13989

gacatcatag	tatatccgtg	agtcaagcgg	ytgtgggttt	ttggctcttg	catctgctat	60
agttctgtct	cggttgccat	ttgctaactc	tggtctctgt	gtagctgctt	ttggcagctc	120
ctcatctctc	ttctaatacc	ccastcacag	tsstagagaa	cagacsasra	gttaagaccg	180
tcacctacag	aatcccaagg	gccaaaactg	ggcagaggwc	aactccatcc	ttcttacaaa	240
agggcttctc	cacaagaagc	atttccgtta	gactctagca	gtgagatacc	ctgcttcaag	300
aattttctcat	ggagccagaa	gcctttgarr	tttgccctta	tgatcctcac	caccgaatcc	360
cactcagcag	attccagtac	cacctggcat	cgtgknggag	aaagaacccc	aagaaagcca	420
raaagatggc	cacctgcaaa					440

<210> 13990

<211> 195

<212> DNA

<213> Homo sapiens

<400> 13990

taagaaaaat	actagtagga	atgaactctt	atctatttgc	ggtaggagtg	tcaatttgca	60
aacacttttg	aaaacggttt	gttactttta	aataaaacca	aacatgtaca	catcaaccca	120
ttcttttagta	tattctagaa	aaattttctaa	ctgtatgtag	aaaataggag	aaaccagcaa	180
gaatattttag	agcag					195

<210> 13991

<211> 168

<212> DNA

<213> Homo sapiens

<400> 13991

ccttttttga	gacagattcg	cagtggtcgc	ttcttctcct	tggttaagtgt	gatccttggt	60
aagtgtgatc	agatgcttgc	caccggagtt	gtgggtctaa	tgctatagat	cagtagccga	120
gcttccctag	gaagatcata	tagtatttta	tttatttact	tttttttt		168

<210> 13992
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 13992						
attccaggac	ttccgggcac	ttcgtaaggt	ttaaaaagga	tgcttcgcgt	tttctctctc	60
cttttttgag	acagattcgc	agtggtcgct	tcttctcctt	ggatttggtta	aggattccaa	120
gtaactctta	tttgagaga	agacgatctg	cacttcgcat	tttggcattg	acattttaatt	180
ttagggtcct	ttatatagaa	gggagagtag	gtaaactgat	tttttttttt	aacagggagg	240
gtttgacaat	ctttggcaga	cttgagcaa	aagattgagg	tgcatctcat	gcctcctttt	300
gagagtcttg	ctctgtcgcc	caggctgtag	tgcatggcg	caatcttggc	tgcaacctca	360
gcctcccaag	tagctgggat	tacaaacata	agccaccacg	cccagccctc	atacctcttt	420
taaaagtcga	cctggt					436

<210> 13993
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 13993						
attccaggac	ttccgggcac	ttcgtaaggt	ttaaaaagga	tgcttcgcgt	tttctctctc	60
cttttttgag	acagattcgc	agtggtcgct	tcttctcctt	ggatttggtta	aggattccaa	120
gtaactctta	tttgagaga	agacgatctg	cacttcgcat	tttggcattg	acattttaatt	180
ttagggtcct	ttatatwgna	aggrrgagta	gctacakgaa	kgtgtaagat	cttggaggaa	240
gacagc						246

<210> 13994
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 13994						
aattcaattt	cggttctcac	agactcttac	ttggatgtct	gtaaatccgg	ctggactttc	60
agcttctaag	aacagtcggt	ttctcgagga	tccaggcgca	ggaggacaga	gcaatgggtg	120
agagaactct	tcacgctgca	gtgcccacac	caggttatcc	agaatctgaa	tccatcatga	180
tggcccccct	ttgtctagt	gaaaacca				208

<210> 13995
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 13995						
tcaatttcat	cacctttcct	tttctcagag	gtttctgaag	gattactgat	agtgattcat	60
cagtgcagct	tcagattctt	ttagctgtct	atggatgtgg	ttcacctgag	cctgaaaacc	120
caaaaaggag	tagctctcac	ttaaaggggc	tgcgactctc	ctagctccac	acctgtcttc	180
tgctcagtc	acctcttacc	agagtctccc	tttccagtaa	gatcattctc	atagttgggtg	240
gaggtggaaa	caacacgagg	aagagtggct	tctcttataa	tatgacgagg	gcttcttcaa	300
gcaggtctgt	tatcatacgc	tttgttttct	tcttggtctg	atcatagatt	tttaaaaaag	360

aacctcsaaa acaaaaaaacc taatggttat ttcaacttct tatgttttaa ctcttcccag 420
 accttagaac aagcttgtcc aaccaaggc ctgcaggctg tatgtggccc aggamagctt 480
 ttgaatgtgg cccag 495

<210> 13996
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 13996
 caggggaattt ttgtgcaact ctttcccact gtgttctgca gtcaggctga ctgattggtg 60
 gtggtgtttg ttcattgaat aattggactt cctcagaagg ccctccatgt ggtaaggccc 120
 ctgccggccg tgggtgggatt aaggctgtta ggggtgaggc ttgaggcgtc taagagaaca 180
 gtggcc 186

<210> 13997
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 13997
 actttttgtc ctctgtgect tgccctgccgc atctccgacg actttggcga gtgctgctgc 60
 gcgcctacc tgcccggagg cctgcactcc atccgcaccg gcatgcggga gcgctaccac 120
 atccagggct ccgtcgggca gactgggcgg ccctcacctt ttgtctgccc tgcgcctct 180
 gccagatggc gcgggaactg aagatccgag agtaaggaag ttccctgtct tccccgtcct 240
 tttccaccag tctcgectct ggcccttctct ggccactcct gggaggggact gcctcaccac 300
 cctgtccccg ctgccagaaa tacaccc 327

<210> 13998
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 13998
 agggagcaca caccgccagt ctgtgcgctg agtcggagcc agaggccgcg gggacaccgg 60
 gccatgcacg cccccaactg aagctgcac tcaaagccga agattccagc agcccagggg 120
 atttcaaaga gctcagactc aggrggaaca tctgcggaga gacccccgaa gccctctcca 180
 gggcagtcct catccagacg ctccgctagt gcagacagga gcgcgcagtg gccccggctc 240
 gccgcgccat ggagcggatc cccagcgcgc aaccacc 277

<210> 13999
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 13999
 catccttgtt tattcctcca atacatacac tgatcggttat gcaactgaat acttcagggc 60
 gaccctcagc aggtcttcag aattttctct cttaactgtc tccttcaggt atcctgccct 120
 gtaaaaagta gccacactgg ctctctcaaa ttgtccagca ctgcctcttc aattgtggag 180
 gggccgttgt gctctgccct ctacatcatg gcctgcgcac ttttttttcc ttttgagacg 240
 gagtctcgct ctgtcgccca ggctggagtg cagtggcgcg atctcggtc actgcnnat 300
 ccgcctcccg ggttcgtgcc attctcctgc ctcagcctcc tgattagcta ggactamagg 360
 cgcccaccac aatgcccagc taattttttg t 391

<210> 14000
<211> 214
<212> DNA
<213> Homo sapiens

<400> 14000
acttcttcac acaagatggc ggctcccagg gaggaggcat gagegcccctg ccgttaccgc 60
ttcttctgcc gtacagttgc cgcttcgggg cctaactcta gctctttgaa gcggctcctg 120
tggaaggag tcataaggcg ggaagtgagg atcggacacc gccttgagtt tgggtgtgcag 180
tggaagaact gacctaggag gaagagaata gggg 214

<210> 14001
<211> 169
<212> DNA
<213> Homo sapiens

<400> 14001
gttgagaggc ccgcgaactg acgggccagt gagcgggctg cgggagtggg cggatgcggt 60
gggggttcggg tcgtgggtgt tgaggcggag aggaaggcgt ggtgtggcgt ctccagggtga 120
ttgcgattgg gggaaggtag aggagccaga gaaccactca gccgtttcg 169

<210> 14002
<211> 271
<212> DNA
<213> Homo sapiens

<400> 14002
tcgatctgga ctgttctcag gcaagccggg gagtaacttt tagttttgct cctgcgatta 60
ttcaactgac gggctttcat ttccatttca cacaccctag caacacctta taccttgcgg 120
aattgtattg gttagcgtgaa aaaagcacac tgagagggca ccatgccggt ggaaaggatg 180
cgcgtgcgcc cgtggctgga ggagcagata aactccaaca cgatcccggg gctcaagtgg 240
cttaacaagg aaaagaagat ttttcagatc c 271

<210> 14003
<211> 381
<212> DNA
<213> Homo sapiens

<400> 14003
ctcctccctg tagagcaaag ggcacgtgag cnaggcgcgc gaagccgtcg cggcggggac 60
catgttgctt ccgaacatcc tgctcaccgg tacaccaggg gttggaaaaa ccacactagg 120
caaagaactt gcgtcaaaat caggactgaa atacattaat gtgggtgatt tagctcgaga 180
agagcaattg tatgatggct atgatgaaga gtatgactgg cccattttaga tgaagacaga 240
gtagtgtgat agttagataa ccaaatagaga gaagggtggag ttattgttga ttaccatggt 300
tgtgatttct tccctgaacg ctgggtttcat atagtttttg tgctgagaac agataccaat 360
gtattgtacg aaagacttga a 381

<210> 14004
<211> 179
<212> DNA
<213> Homo sapiens

<400> 14004
agctagctag ttccctgcttg aactgaggac catctatttg gttaccggga gtgtggctgg 60

tttctnttgc ctgttttgat actctttctcc tggtaagttt tagcttcaaa tggatttgtc 120
cacaccacag cccttgatct caggtaattc tccacaccac tgcctttttt tttttttt 179

<210> 14005
<211> 173
<212> DNA
<213> Homo sapiens

<400> 14005
atcttcttgc agctgcctgt tctctttacc ctgcccggct ccagctgacc agggaagggg 60
tgggctgaac tgaggcgggg gcaaggagggt gcccgcacac ttgtccgact ccgcgggtga 120
cacgagccgg ttctctctgg actggtggca gcgcgcggcc ccgaaccgcg ccc 173

<210> 14006
<211> 391
<212> DNA
<213> Homo sapiens

<400> 14006
gagtcgcctg agggaaactga tctcagctcg ggcccgcgtt acatcctcct cctcttcttc 60
cttcggccca gctttcctta ggggctgcaa cccggacgcc gaggccggtt tcggagtggg 120
gagtgcccat tttctctcct tcccacgttc ctggccccc gamgscatt tgcaggcggg 180
tgggttgggt cagcctcccc gccccaccc gactcccgtc acgggagagc gcacaccgcg 240
ccccgagaac caatcagcag ccgcgttagg taaccatgtc tgagtctgga cacagtcagc 300
ctggactcta tgggatagag cggcggcgac ggtggaagga gcctggctct ggtggcccca 360
gaatctctct gggcctggtg gtcgggaggg g 391

<210> 14007
<211> 292
<212> DNA
<213> Homo sapiens

<400> 14007
attactgatt cacagcgaga ggcagcagca gcagcagtag caccagcagc agcaacaaca 60
gcgctgcttg tcacgaatcg aggattgcaa tgagctcatc gttttctcct tgcagcttca 120
caactgccct ggcttctctg ctactgctgc tgctgtcttc tcacacatag acacgcacac 180
acaccctttc tcgcacacac acacacacac acacacacac tctcacacat tctcacatgc 240
tagacccttc taagcagctt gtccgttttt acacatcgna tstgaactct cc 292

<210> 14008
<211> 154
<212> DNA
<213> Homo sapiens

<400> 14008
acaagccctt gacttagctc ataactgccc tgttgactag ggatttctag acccattttg 60
aagatgggga gactgaggct gagggaggta gtgcggcttg ctgaagggtg aggaggccag 120
accagaaccc aggcgtcttt tttttttttt tttt 154

<210> 14009
<211> 361
<212> DNA
<213> Homo sapiens

<400> 14009
 agtaggggraa kaccagaggt gcgggacgag gtgcaggctg cggcgknkgac ggcctctgct 60
 ccttccgagg gtttccgact ccttgcccta gattttctgc tttagcactt ggggtccctt 120
 ctggtttgct tctggttaga gtcgcaatcc cagcagcaat agcccagaag aggacacggt 180
 tcccgtaccg aaggttcagt accagcagcc cgaccatcac gggcgaggat gtctgtggtt 240
 ggcattgacc tcggctttgt caactgctac attgctgtcg cgagaagtgg cggcatcgag 300
 accatcgcca atsagtacag cgacagggtg accccgtaag ttcctctgct gagcatcacc 360
 t 361

<210> 14010
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 14010
 tagataactc ttaaagaaaa tgtcatttta gacaattaaa atatttgtgc tcaactgctt 60
 gaactttttt cgtgtatgtg tatttaattc tatgcaatat tatcacatgt gtagattcat 120
 gtgaccacca tcacaagaga cagaacaggt ctgtcacatg gatcccttgc actgcssttt 180
 tacagccgca gccacatccc tttcttatac cctcacccca acctgtggct accactgttc 240
 tgtcctccat ctctgtaatt ttgtcatttc aagaatgttg tatgaatgga atcatacaga 300
 atgtaatctt acaaggctga tcttttttca ttcagcataa ttcccttgar atccatccaa 360
 gttgtttgcat gtatgaatag tttcttcctt tttttctt 398

<210> 14011
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 14011
 gaattcccac gagagcaatc cggatgttca aggatcggtg aaactgaaag gacacagaaa 60
 aaccacagta tctgtcaata ccacctagga ttaraagcc ccttcctttc attctggtgg 120
 agcttgagat taaaaagaaa aaactaaaac taaaaataa aaataaattt aaaaaaaaaag 180
 ctcttctcta gcctaagaac tcagagcaca gataccagat ttctcttctg cccatggctc 240
 caacagaagg aggcaactgg tgttactgac attttttaga aagggaaaat gagatcctga 300
 gagagagcag ggwcagagtc tcgccttagt ctcttaggct ggagtgcagt ggcgaatct 360
 tggctcact 369

<210> 14012
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 14012
 atttttaagc tcttctgtgt cgagctaagg agctgctctg tgcccggtt acagaactgg 60
 aaggggtagc caccttccgc ctgatggagg ctggagaacg gatggaacct ggatccctgg 120
 agcctggggac actacctcgc tgcggttggg ggtggccaca gaccagtagg 170

<210> 14013
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 14013
 attagaaagc aacggctaac tatgtgccag cagccgcggt aatacatagg ttgcaagcgt 60

tatccggaat	tattgggcgt	aaagcgtctg	tgggttggtt	gttaagtctg	gcgttaaatt	120
ttggggctca	accccaaaac	gcgttgata	ctggcaggct	agagttgtgt	agaggttagc	180
ggaattcctt	gtgaagcggg	gaaatgcgta	gatataagga	agaacaccaa	gatggcgaag	240
gcagctaact	ggacatatac	tgacactgag	agacgaaagc	gtggggagca	aacaggatta	300
gataccctgg	tagtccacgc	cctaaacgat	gatcattagc	tgatggggaa	ctcatcggcg	360
castaacgca	ttaaattgatc	cgcctgagta	gtacgttcgc	aagaataaaa	cttaaaggaa	420
ttgacgggga	tccgcacaag	cg				442

<210> 14014
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 14014	
gtgggcagag	gggcgggggt
gtttcttctt	tcacggggcc
cgaggagctga	tgatcatctt
ctacaacacg	gctacgaatc
ctgtgctgcc	catggatttg
tgaatatgga	agatacagca
aaaaagtga	accccatccc
gtgggaagatg	gcggctccca
gggtccccgc	gcccggcacg
aatgagggca	tcgaggatsn
agtggtntct	gccrgctggt
tctgtgatgg	taccagaata
atgagttata	tgagttacaa
cctccttctg	gtttacctcc
ctggaggcga	60
ggtngccatc	120
agctgcacgt	180
tccctccagg	240
ggggaatggt	300
tggttatgga	360
ttgtcctc	408

<210> 14015
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 14015	
gagaagactg	aataagcngt
accaaatttcc	tgcccgggat
ggctggtccc	tgcgagcccc
tgactgtgg	
gaactgggca	gctgtgacac
cccttcttgg	agcccacagg
ctcttttcggt	tacaggaccc
gcgcaccttg	tcaccttgct
ggcagccctt	120
tgagactgc	180
cagagatgtc	189

<210> 14016
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 14016	
acttcggagc	ctggagcaca
cggaccttca	ctgctgcccc
tgctggtctg	ggtggaggcg
ggaagctcag	ggcaaagcgc
gg	
tcctccgccc	tgacgcctca
cctcagctcg	gggcctctag
gtcgaggagc	ttgggtgcaa
tctctagtga	aggaaggtaa
aatggctccg	240
	242

<210> 14017
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 14017	
gaatctttgt	tcagccacac
agcagcggca	acggcagcag
ataactcagg	catagttcaa
tgactgaaca	gacttttagt
cagcagcagc	agcagcagca
cactatgggt	cctcctctga
ggggttacct	ggctaacagc
ggctcctggg	120
agctcttcaa	180
aaaccagaaa	

taccaggaac tgaagcagga atgcatcaaa gacagcagac ttttctgtga tccaacattt 240
ctgcctgaga atgattctct tttctacaa 269

<210> 14018
<211> 178
<212> DNA
<213> Homo sapiens

<400> 14018
cttttaactt tgtttctcca tctttacatt aagtgttggg atacagggct gaacaagaac 60
aggtaactgt cttatggctt tacgtttatg tgttttcctc tgaaattagg caaatttcct 120
aatcttgctg aagttatctt catccttaag aagtaatat ataggtcttt atagagt 178

<210> 14019
<211> 318
<212> DNA
<213> Homo sapiens

<400> 14019
gctgtgtgtg tcgccggctc cttgaggggc catgtgattt ttacgccagt gctgctgaac 60
tgtgcagggg agggagctgg cacagtccga ttaattgtcc ttgggtcgag gtgtctcgtc 120
ggaccctttg gggctcagtg gagaattaag gcagagtcac tgtaattatt tctaatacca 180
attccaaaat agtgactctt ggacaatagt gcaattatat ggaattatkn ctggttataa 240
gcctgtagct attcagacat atcctatact tggtgaaank atcacccaag atacactgta 300
ctggaacaac tataagac 318

<210> 14020
<211> 174
<212> DNA
<213> Homo sapiens

<400> 14020
gcatgcgcct tgacgagtga gccgggggagc catggacaac tgtttgccgg ccgcagcgct 60
gaatgggggt gaccgacgtt ccctgcagcg ttcagcaagg ctggctctag aagtgtgga 120
gaggccaag aggagggcgg tggactggca tgccctggag cgtcccaaag gctg 174

<210> 14021
<211> 245
<212> DNA
<213> Homo sapiens

<400> 14021
tttctgcgcg acttataaga gctccttgtg cggcgccatt ttaagcctct cggctctgtg 60
cagcagcgtt ggcccggccc cgggagcgga gagcgagggg aggcggagac ggaggaagg 120
ctgaggagca gtttcagtc cgcgcgagcc gccaccgagc tcgaggacgg tcggactccc 180
gcggcgggag gagcctgttc ccctgagggg atttgaagta taccatacaa ctgttttgaa 240
aatcc 245

<210> 14022
<211> 123
<212> DNA
<213> Homo sapiens

<400> 14022

tagggtttga gtcagtgggg gatacaggct gtgcgggctg ctgcctgtct gtctgtgcat	60
tgcacacccat cagagaggtt agtaacttaa tctatccggg agagcaggag taggaacccg	120
ggg	123

<210> 14023
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 14023	
ctttaatttt aataaggcca acttaccaat ttcattggata ggcttttgtg ttatatattga	60
aaactcattg ccaaggctac atagatttta tcctgtgttt ttctagaag ttttatagtt	120
ttgcatttta catttaggta tgtgatccat ttagagttaa tttttatgaa aggtataagg	180
tctgtgtcta gattaatttt ttttttgcac atggattcct agttgtacca	230

<210> 14024
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 14024	
cacttttaaag caattgcata atagataaaa acctgaactt tcattggatt tttgttaatt	60
ttcttcattt tgaattatgt gcactaccat agctacatca gtttgataca gtattgaaaa	120
attatcagtt atattttgct gtttatgata tattttaga ttaggattaa aatggattta	180
atccattttt aaggctgtgt gaatttttct aaacaagaac catttgcaat atggatttct	240
tagagattaa accaattata acttattagc agtcgcga	278

<210> 14025
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 14025	
gtcactttccg gcgaggcaga ggaggcgga gagtgagaga aaggctggaa gacgagcctg	60
caggatgttt cctcaatgag ggaaggctg ctgcacaatg gcagtttttg atactcctga	120
ggaggccttt ggtgtctacg tccagtctgt gtccagctca caaagaccca gacagtggag	180
aatgtggagc atctgcagac acgactaaa gctgtgagtg acagtgcctt tcaggaactt	240
cagcagtaca tcctcttccc tctgcgattt accctgaaga c	281

<210> 14026
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 14026	
gtataagaag gaataatgta agtttttagaa ctgcgggatg cagtattata aaacaccttt	60
ccactactgg ggaaatactg caccataaca ggtagtcatg gaaacacaac ttgaaaaacc	120
agaattattt aaaacttatg ttgcca	146

<210> 14027
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 14027

gtgtgtcact	tccggcctcc	ctttagctgc	catcttgctg	ccccgcgtgt	gtgcgcctaa	60
tctcaggtgg	tccacccgag	accccttgag	caccaaccct	agtccccgcg	gcggccccctt	120
attcgctccg	acaagatgaa	agaaacaatc	atgaaccagg	aaaaatataa	aggtatccaa	180
actctgtctt	aatgtaaatg	taactatctt	tccttcaagt	gttgactagg	gagtcgggttt	240
ctctcttaaa	gacactcact	gtacaactga	tagcagctgt	catatttctg	gcaaaatgtg	300
tttacgtatc	tgacaagttg	tacatttgtg	tatgaa			336

<210> 14028

<211> 258

<212> DNA

<213> Homo sapiens

<400> 14028

gtgtgtcact	tccggcctcc	ctttagctgc	catcttgctg	ccccgcgtgt	gtgcgcctaa	60
tctcaggtgg	tccacccgag	accccttgag	caccaaccct	agtccccgcg	gcggccccctt	120
attcgctccg	acaaggtaca	aaaaggctct	ggacggcggc	gtggtaggag	gacgggagcg	180
ggggcgggaa	gttccttgaa	ggasggagac	agggagggac	agggcagagg	aggagaggaa	240
ggcgatgcga	cggacagg					258

<210> 14029

<211> 141

<212> DNA

<213> Homo sapiens

<400> 14029

gtgtgtcact	tccggcctcc	ctttagctgc	catcttgctg	ccccgcgtgt	gtgcgcctaa	60
tctcaggtgg	tccacccgag	accccttgag	caccaaccct	agtccccgcg	gcggccccctt	120
gagcaccaac	cctagtcacc	c				141

<210> 14030

<211> 159

<212> DNA

<213> Homo sapiens

<400> 14030

tataatcttt	aaagtaacct	aattagtaat	acagattact	tttacaaaga	aaacatgaaa	60
ctcaggttta	caaacaaatc	ctaccaagcc	tttagggaaa	aaaaaaggta	atttcacatt	120
agtactgcat	ttcattgatt	ataaaaaacac	tctcccccg			159

<210> 14031

<211> 493

<212> DNA

<213> Homo sapiens

<400> 14031

ggagttctgt	ctgggcctat	tccgggtccga	gttcggaatt	tccggttcaag	gccagttcc	60
tccgattgtt	cctgcgcaac	tccagtttcc	cttcaggga	cgggcaatgt	aaataatgat	120
agcctccctc	atctctggcg	gctgggtatt	atggctgggg	aaggggctca	ttcgattcgt	180
tgaagctttt	catggactcc	ctgagctggc	acctgggaga	tcgtcccatc	ccagggtccc	240
gagtgtcagg	tttggtctag	gtctggggga	gaggtgggtc	tcccttctcc	ctgcgggggc	300
gcggtgagga	gcgggcctgc	tcctccgggg	agttctgccg	cattctccca	atctctttcc	360
tgagaaagtg	cggagttggg	ggcacttcga	ggtcgccttg	gggcgaggtg	gtncgtgagg	420
gggtcccaga	tatgccagca	gcggggggan	gtcacctttg	agaaagtgcg	tngargtggg	480

tttcttcaga agc

493

<210> 14032

<211> 359

<212> DNA

<213> Homo sapiens

<400> 14032

tttataagag	tagaagtgat	gctgttttat	ttgaagcctg	agagcttctg	gttcataaac	60
cagaaattgc	tacctggctc	ttctattgga	atggggcttt	tccattctta	gtccatccaa	120
ctctgaactt	gctctgaatc	tcaaaccctt	ctattcgcag	aacaaatgct	caagtttttt	180
caagagtttt	tctgtagatt	aggtttatta	gcaccaactt	catgacttct	aaaatgtgac	240
tgcttgaata	caggtatcta	ccagtgatat	gggggtggata	attaataatg	cttggctact	300
tctataaaga	cagtgttgct	tatttttcaa	aactttttct	ttttttcttt	ttttttttt	359

<210> 14033

<211> 301

<212> DNA

<213> Homo sapiens

<400> 14033

tggaaggagg	cgttcgtcta	gatttgctcg	cttgccggga	gacttcagga	gtcgtgtct	60
ctgaacttcc	agcctcagag	accgccgccc	ttgtccccga	gggccatggg	ccgggtcna	120
gggcttgtrc	cctctcgctt	cctgacgctc	ctggcgcatc	tggtggctgt	catcacctta	180
ttctgggtccc	ggtgcccttc	cagctgtcac	tgaaatggct	ttattcgtca	ccgtcntwgg	240
gctgaaaaag	aaacccttct	gattaccttc	atgacgggaa	cctaaggacg	aagcctacag	300
g						301

<210> 14034

<211> 266

<212> DNA

<213> Homo sapiens

<400> 14034

ctgcttcccc	agctccagaa	cttccggcca	gcgcascatt	ttggcttctt	gaccttgggc	60
tacggctgac	cgttttttgt	ggtgtactcc	gtgccatcat	gtccgtccac	cagtctgac	120
atgaactttt	acagttksct	ctgtgttaag	tttatttccc	ttaaccaaga	caatttggaa	180
agggttgtya	ttttccatcg	atcaccacaa	ctgcttttag	aacttgacaa	cgtaatttct	240
gttctttttc	agaacagtaa	agaaag				266

<210> 14035

<211> 454

<212> DNA

<213> Homo sapiens

<400> 14035

acattttttt	tcaatgtata	gttcctcggc	gcgcctctga	cctttttccc	gagctcttca	60
atcccagaag	ctatagcaca	acggctgaat	cgccaggacc	cccggggagg	cgtggcttca	120
ggaccggaag	aagctcctgt	tgccaaggga	acgggtgctg	ccaaggcgcc	tgctcagcga	180
ctgatgcaca	gactgctgca	gaggctgccc	gttttcccaa	cttctagaga	cggctttgct	240
cattaccagg	catccttccc	atgtaggcat	cgagaagaag	gctgaggggac	cctcgcacca	300
gatttccatc	ccggagaccg	atacgagtgc	gtccattcct	ggtgccagct	cctgcgcctt	360
ccggactaac	ctcaaaaacc	agctgggttg	taaatatttg	aatcacatta	tgggattgct	420
agacagactt	tcagtcttgc	ttggcctgaa	gaag			454

<210> 14036
<211> 161
<212> DNA
<213> Homo sapiens

<400> 14036
ttcttttttaa ttgtttttaa tttttcatag gggasttttg gacaaaacag tcaactgggga 60
gatcactgcc atttttacac acttgacttt ttaaaaatac aaccaaccaa ccaccacaac 120
ttcttataca tttgggacat gagccagagt ttaaaaggaa a 161

<210> 14037
<211> 393
<212> DNA
<213> Homo sapiens

<400> 14037
tactaaggag ctatcctgac cctgccttga gggagcccca gttgtcagat atttgggggt 60
ttctaagtct cttctttcct ctttattctc taatttccca catctctagg aacttctttc 120
ttgagtataa tctcagttcc tactgtatgt atttgactcc tcaggaggca attcagagaa 180
taccagttgt ttctttccac tcttttctcc cctacatgga catggaggat tttcattcac 240
ttgttttctt agcatctctt ttccaggtat aggaaatata tattttcact ttttcttcta 300
atttttaatt tagcaatttt tatcatwctt gtggcctagc ttkrtttcct tcttttatgn 360
ctaaagcctt gcattgatga ataccaacag act 393

<210> 14038
<211> 197
<212> DNA
<213> Homo sapiens

<400> 14038
gagttattag ggctaggtag gtggaacttg gagcccaagt aatctcagtt ccaattccag 60
ctccattaac aaactgggtt aatttttaggc aattatctca gattttctga gcataagttt 120
cctaattctt aaaaatgggg ataagggccg ggcgcggtgg ctcacacctg taatcccagc 180
actttgggag gccgagg 197

<210> 14039
<211> 209
<212> DNA
<213> Homo sapiens

<400> 14039
agtgggtgtca tatttgact ccaaagaagt atactcaaga aatgactact tcgatggttt 60
tagcagataa tttttagtta tttgaggata agaataatag tctgcttatg aaagaacttg 120
gatataagta ctgtgatgca gaktcctgga cacagagaag tcagcaactt gcctgaggac 180
agcctgcagg acacagcact gtgatttga 209

<210> 14040
<211> 96
<212> DNA
<213> Homo sapiens

<400> 14040
cccccttttc cctccatggt ttctctccgc tcccgtaggt aacttggtc cgggggctcc 60

gctcgctgc ccgcacgcck ccygccaccc aggacc

96

<210> 14041
<211> 92
<212> DNA
<213> Homo sapiens

<400> 14041
acagggacaa cttgtacctg cttgtcacga aaatgctgaa aataataata ctctgacttg 60
ggcaaatagt atttctttck ttcttttttc ta 92

<210> 14042
<211> 243
<212> DNA
<213> Homo sapiens

<400> 14042
ccaaagggga ctatcctctg gaggtgtgac gcatgcagca cctgatagct cgtgaggctg 60
aggcagccat gttccaccgc aagctgtttg aagaacttgt gcgagcctca agtctccaca 120
gacctcatgg aagccatggc catgggcagc gtggaggctt cttataagtg tttagcagca 180
gctttgatag ttctgacgga gtctggcagg tctgctcacc aggtggccag ataccgcca 240
cgt 243

<210> 14043
<211> 322
<212> DNA
<213> Homo sapiens

<400> 14043
ctattgtgaa tagtgacaca ataaacatat gtgtgcatgt gtcttttatag cagcatgatt 60
tatagtcctt tgggtatata cctggtaatg ggatggctgg gtcaaattgt atttctagtt 120
ctgkacccct gaggaatcgc cacactgtct tccacaatgg ttgaactagt ttaaagtccc 180
accaggcagt aacaaagtac tctctccctt cctctctggg gtggtgtcag aagagtggag 240
agtttgaact ttcaccactg ttccatggta atgaggtcac cctgatacga tggcgtcaag 300
ggaggcaata atgaaacacc tt 322

<210> 14044
<211> 182
<212> DNA
<213> Homo sapiens

<400> 14044
gggggaacag tagtgtctgg aggggaagggg gaagaatctt catccactcc attgtctgaa 60
ttgttcaccc ggtaactttt gccatgacaa ttttacaaat taagggtttc ttttaaaatt 120
gaggaataat tgacatttca tcaagggcac agatcttcag catggagcgt agaccaagg 180
gc 182

<210> 14045
<211> 246
<212> DNA
<213> Homo sapiens

<400> 14045
acaacaaagg gccgcgggag gcgggcagtg gtgtcccagt ctcccgggtgc ttccctgagg 60

ctgagggcgcc	cggcctcccc	cccgccgcgc	tccagatgaa	gtgtgagcac	tgcacgcgca	120
aggaatgtag	taagaaaaca	aaaactgatg	accaagagaa	tgtgtcagcc	gatgcaccga	180
gtccagccca	ggaaaatgga	gagaaggggg	aattccacaa	gttggctgat	gccaagatat	240
ttttga						246

<210> 14046
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 14046						
accacgtcgg	aactgttaga	ccgcgggtgac	gtctccaccg	cgccaaactc	actgaaaatc	60
aaaccgctac	cattaggagc	cctccacgct	taacatatcc	gttctttctc	gtttgaaagt	120
aaccaggtcg	ctcctcccca	tttttcgcct	tcttctcgcg	gaggctgaga	gactaacctt	180
acacaacatg	gcggcctggt	gtntctggtg	tcctagagcg	gacgaaagca	ggtgactctc	240
tagtcaactt	ccgacttgga	ctccgaagat	cgctacagaa	agatctagaa	gaggtaaagg	300
tggttgctgga	aaaggctact	aggaaaagag	tacgtgatgc	ccttacagct	gaaaaatcca	360
agattgaaac	agaaatcaag	aacaagatgc	aacagaaatc	acagaagaaa	gcagaacttc	420
ttgataatga	aaaaccagct	gctgtgggtg	ctcccattac	aacgggctat	acggtgaaaa	480
tcagtaatta	tggat					495

<210> 14047
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 14047						
cttctacttc	ctgggcccgg	agaagggtgga	gggagacgag	aagccgccga	gagccgacta	60
ccctccgggc	ccagtctgtc	tgtecggtgt	ggatctaaga	aactagaatg	aaccgaagca	120
ttctctgtgga	ggtrratgaa	tcagaaccat	acccaagtca	gttgctgaaa	ccaatcccag	180
aatatccccc	ggaagaggaa	tcagaaccac	ctgctccaaa	tataaggaks	tggcacccaa	240
cagcttgtct	gcaccacaaa	tgcttcacaa	ttctccgga	gacttttctc	aagctcactc	300
aaccctgawa	cttg					314

<210> 14048
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 14048						
taattaatta	attaattaag	atgaagtctc	actatgttgt	ccaggctagc	cttgaactcc	60
ttgggtcaa	gtgattctcc	catctcggcc	ttctaagtat	ttgggactac	aggcagggtc	120
taccacwcct	gacttggtcc	ttatttttaga	tgttgaaaat	aagcaagtga	aataaaggct	180
tctcaagtgt	acacagcact	ttgctagata	ctgtggatga	tttttcaggg	aagatgccat	240
tcctccctcg	aagaagataa	ttattgtaga	gtagagcta	acagacaaaa	tagatgatat	300
ataaaaattat	tcttagg					317

<210> 14049
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 14049						
gcagtttgca	ctctataaga	agatgaccca	ggcggccatc	ctgatccaga	gcaagtkccg	60

aagctactat gaaca

75

<210> 14050

<211> 362

<212> DNA

<213> Homo sapiens

<400> 14050

agtagacgcc	atgatggatg	tgtctgggtg	gggtttccca	agcaagggtc	cttggaagaa	60
gatgtctgca	gaggagctgg	agaatcagta	ctgtcccagc	cgatgggttg	tccgactggg	120
agnacagankk	aagccttgag	gacctactca	cagataggaa	ttgaaggctt	ggagtgcatt	180
ggcgcmmtct	cggctcacgc	caacctccgc	ctcccagggt	caagcgattc	tcctgccctc	240
agcctcctga	gtatctggga	ttacaggcat	gtgccaccac	gcctggctga	ttttttatct	300
tcymgtagag	acgggggttc	tccatgttgg	tcaggctggg	ctcaaactcc	cgacctcagg	360
tg						362

<210> 14051

<211> 375

<212> DNA

<213> Homo sapiens

<400> 14051

acctgaccgg	agagccggct	agatatggcg	tcctctttgc	ttgcggggcg	gcgattgggtg	60
cgtgctttgg	gccccggcgg	ggagctggag	ccagagcggc	taccccgaaa	gctgcgggcm	120
gmytgaggcc	gcgctgggga	agaagcacia	ggcggtgat	agctccagtg	gcccccaacg	180
cttggtttct	ttccttctca	tccgggatct	gcaccagcat	ctgagagaaa	gggattccaa	240
actatacctc	catgagctcc	tagaaggcag	tgaaatctat	ctcccagagg	ttgtgaagcc	300
tccacggaac	ccagaactag	ttgcccggt	ggagaagatt	aagatacagc	tggccaatga	360
ggaatataaa	cggat					375

<210> 14052

<211> 328

<212> DNA

<213> Homo sapiens

<400> 14052

agacaagaaa	acttgccatt	ttggcagagc	agtatgaaca	gagtataaat	gaaatgatgg	60
cctctcaagc	gttacggcta	gatgaggctc	aagaagcaga	atgccaggcc	ttgaggctac	120
agctccagca	ggaaatggag	ctgctcaacg	cctaccagag	caaaatcaag	akgcaaacag	180
aggcacaaca	tgaacgtgag	ctccagaagc	tnagcagaga	gtgtctctgc	gcagagcaca	240
ccttgagcag	aagattgaag	aggagctggc	tgcccttcag	aaggaacgca	gcgagagaat	300
aaagaacctc	ttggaaaggc	aagagcga				328

<210> 14053

<211> 287

<212> DNA

<213> Homo sapiens

<400> 14053

aatgggagga	ggcgtctcgg	cgggggacaa	gcagtagcta	cccgcgggag	cgggasgggt	60
ccgggttcga	gcttggtgtc	ccccggaagg	gtgagtctgg	acgcgggagc	ggaaggagcg	120
cggccggagg	tcctcaggaa	gaagccgcgg	ggactggctg	cgcttgacag	gctgcacttg	180
gatgggagca	cctggtgcct	cgggactgct	ccgatgcccc	ggtctgtgct	gaatgtgtaa	240
tatgcggaac	tatattgaaa	cattacaacc	atcttttgat	ggcaaca		287

004220" 656E7560

<210> 14054
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 14054
 agaagtsagg aaaacgtggt ggggggcatg cgcgatctgg taggcggtgc tgccgtctgt 60
 tgtacctgag aggcttgccg atgccgacgc acggattcga ggcggggagc atgggaagaa 120
 gcggccagga gtatgacctg atcattgcga ccaccgctag gggaagggag gagaggggtgt 180
 agaaacgggg acgarggtgg gggaagggca aggaggcgct cgagctggtg cgcggasatc 240
 ctgggagacg tagtccagcg aggggg 266

<210> 14055
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 14055
 atacacacac tgctccagcc acagtgggtc ttrtgtcaac tgatgtcaat tttgcattgg 60
 aacttagtga cctgagacac aggcattggt tccacattat tttgggtccat aaaaaccagg 120
 cctcagaagc actgctgcat catgctaacg agctgatcag atttgaagag ttcattttccg 180
 acttgccc 188

<210> 14056
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 14056
 tattagacca ggaaaactta atgtaatat atttttaaaa tcactcttaa ggatccaagt 60
 ccatgtaact ctttagaaca agaggaatag gtcagataga agaagctgtg taatgtatta 120
 atacatccgt tcatgtgctg tccacatgaa tgtgttgact gtgctctcca tgttcaggta 180
 tttgtaagca gtgttgactt ttatccctc ttcagtaatc ttttaagtccc caaaacatta 240
 taactttttc tttttttgtt gagacggagt ctactcttg tcactcaggc tggagtgcwn 300
 tgg 303

<210> 14057
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 14057
 agatccgagc cgggctggct gcagagaaac cgcaggagag cctcactgct gagcgccctt 60
 cgacggcgga sggcagcagc ctccgtggcc tccagcatcc gacaagaagc ttcagccatg 120
 caggccccac gggagctcgc ggtgggcatc gacctgaag 159

<210> 14058
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 14058
 agcgcaccac ccttgggttc cctccccgggt ccgcagtgga aacactgccc tctccttctt 60

tgacccttag	cccttccttc	cctccctcct	tcctcctctg	cgccgtctct	tctggcgccg	120
ctgctccccg	aggagctccc	ggcacggcga	tgggttctcg	ggcctccacg	ttactgcggg	180
acgaagagct	cgaggagatc	aagaaggaga	ccggctgtga	gttcgggttg	ggggtgggaa	240
cgcgggcgcc	acaggctggc	ctcacaacca	agggc			275

<210> 14059
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 14059	
agagccgcgg	caccatggca cctgctggac gcccgggggc caagaagggg attttggagc 60
gcctggagag	tggggaggtt gtgattggag atggcagctt tctcattact ctggagaaga 120
gaggctatgt	gaaggctggg ctctggactc cagaggcagt gatagaacac ccagacgcag 180
tgggaagatg	taaatgctgc tgctgtgac ctcgccaggg aagtggctgg caaaggt 237

<210> 14060
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 14060		
acttggcctt	cagcccttgc ctcgcccaga ggtttcattt ttaactgaat atttaccaaa 60	
gctgaaagcg	tgcgaggggg gtgggggtgga aatagcggct gcttcttttc caaggattta 120	
tttaatgggg	atgtgttcaa ggcaagaccg aattcagaag gatatcgacg tcgtgatcca 180	
gaagtccaga	gctgaggact gcctgtttgc aggtgctgtc attcagagtc cacaggatgg 240	
atgaatggat	atgaaaaatga acaaacgtgt gacacaacac tgcattgatt accggcaatg 300	
actttctgat	caagcctgaa catcccaaga caaccatgct gtgaagaagt cggcttacct 360	
cactggagaa	ggaaaggctg ttcagggaag tgaagatgcc ccagctgaca gtcaccacct 420	
gccagacatg	tgagcaaggc tgtctgagac cttcagtcctc agtcaagcca tcagaaagtc 480	
gcagccagtt	gagtgatccc aagcgagasc agcagcgata atgcccagtt tgccaaaaca 540	
gaattgtgag	aaataataaa tcattgttgt tttaagccag gtgtgggcag acattttctt 600	
aaaggac		607

<210> 14061
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 14061	
aggcggggat	gtgtgcgaas ctgccgctgc tgcagcgagt ctggcgcaga gtggagcggc 60
cgccggagat	gcctgacgca tctgtctgag gagcggtcag tgacgcgatg gagcgggcaa 120
gggatcgctt	acacctgaga cgaactacag aacagcacgt accagaggtg gaagtccaag 180
tcaaacgcag	aaggactgcc tcaactgagca accaagagtg tcagttgtac ccgaggcggt 240
ctcagcagca	gcaagtacct gtggtggatt tccaggctga actgaggcag gcattcttag 300
ctgagacacc	aagaggtggt taaagccata ttggagtagc gaggaatctg attccaagca 360
aaaaccaggc	tccatctact ctttgaagct tctgcccagc ttgcattggt tctaggagaa 420
ccngcgtcat	acctttatct atagccttcc cctaggtctt cagaagcatc aag 473

<210> 14062
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 14062

```

aggcggggat gtgtgcgaas ctgccgctgc tgcagcgagt ctggcgacaga gtggagcggc    60
cgccggagat gcctgacgca tctgtctgag gagcggtcag tgacgcgatg gagcggggcaa    120
gggatcgctt acacctgaga cgaactacag aacagcacgt accagagggtg gaagtccaag    180
tcaaacgcag aaggactgcc tctactgagca accaagagta gtgacttgctc aggaggatca    240
atatga                                         246

```

<210> 14063

<211> 367

<212> DNA

<213> Homo sapiens

<400> 14063

```

gttgtttgcag tatctgactt cagcgatttg tcttcttgct tcaataagtg taagaagtgg    60
gtagaggatg gaaagggaga agaaaggatt aaagttaagc ctgaatgttt cattctccac    120
cttaatgacc gcatctacta atagccaata aaatgaattg gcctctctac tgggctgctt    180
gaccttcctc atgacatggc agttggaaca accatgattc aatatgtgag taggctatac    240
aggagacagg aaccattggg agccattttg aacactctct actacaggat caaaagcaaa    300
taattacaaa acagtacatc aatgcaacaa tggcattata tgtaagcatt aatatagaat    360
tttgag                                         367

```

<210> 14064

<211> 179

<212> DNA

<213> Homo sapiens

<400> 14064

```

atgtttcaaa tgcttagctg cctataaagc tgtaacagtt tagccagtgg tcaactgagga    60
agaatataag ttagcctcgt agtgaccatg tggaagtcct gacctcgctt gcagacttga    120
ccactggatg tgacaaggta gcttcactac agctctacta tttaatcctg gaaactaaa    179

```

<210> 14065

<211> 469

<212> DNA

<213> Homo sapiens

<400> 14065

```

agttcgmga gaggaagaa tatggccgcc gggtnnggtg agggcgacgc gcttgcatgc    60
gccgtctctt gcttccccgt cctctgacat cgctgcagc cgagcgggccc cgttccgccg    120
gaagcyngaa ggrccaggta ttcaaataaa gttaattgca gctttctgtg aaaatgtcag    180
ttttgatatc acagagcgctc ataaattatg tagaggaaka aaacattcct gctctgaaag    240
ctcttcttga aaaatgcaaa gatgtagatg agagaaatga ggtaagacca agtttgcaaa    300
attacattct ttcacaaata tttgttgact gcctgctatg tataggatag aagtgtgtaa    360
gaaataggta gttctaacc cttagtaatac tgcactgtac ttatgataga atgtcttata    420
gttaaaagta cttcaaattn catgtttttg gagtacattt taacttata    469

```

<210> 14066

<211> 62

<212> DNA

<213> Homo sapiens

<400> 14066

```

tgacaggatg agaactctgag gcttagagag gtcaccagct ggtggccaag gaagatcttt    60
tt                                         62

```

001399 001400

<210> 14067
<211> 291
<212> DNA
<213> Homo sapiens

<400> 14067
ccctaattca agggasagtt aattggcctt ttattccaag aatgggcctt agtggcagta 60
tcttaaaagc ccacaagatg gagatgtttc ctaatgaaag gcctttaatt tctttataga 120
gctgagtttag tgtcacatcc cagtccccac ccatgaccct tccccagtta aaaagaagag 180
aaaatggttg gcaagtctga tttgattccc atggtgacat ttttagccat tatgtaasaa 240
attctgacag tttaccctta aaattaaaaa cctccagtcc tgtcttttta a 291

<210> 14068
<211> 101
<212> DNA
<213> Homo sapiens

<400> 14068
ctactgctct cttcccagtg gctcatcttc caccctccaa gctctaagaa tgttgagttg 60
tcctgctggg gtggactcat ctcaaggaga tacaataaaa a 101

<210> 14069
<211> 300
<212> DNA
<213> Homo sapiens

<400> 14069
atatcttagg gtggaagatg gataaataat tctgtcacac gtgccctggc ctctggagct 60
cagctgccag tccacgtcta ggggaatctta gcatctggga ccaagacact ttacagcaat 120
catcaccctt tgcagaggag gtgagctcac caggactcat ctgccatttc agaccttttg 180
ctgctacctg ccaggtggcc cccactgctg acgagagatg gtggacctct cagtctcccc 240
agactccttg aagccagtat cgctgaccag cagtcttgct ttcctcatgc acctcctcct 300

<210> 14070
<211> 458
<212> DNA
<213> Homo sapiens

<400> 14070
attcctgcag aggatcaaga cagcacgtgg acctcgcaca gcctctccca caggtaccat 60
gaaggtctcc gcggcagcct cgctgtcatc ctcatgtgta ctgccctctg cgctcctgca 120
tctgcctccc catattcctc ggacaccaca ccctgctgct ttgcctacat tgccccccca 180
ctgccccgtg cccacatcaa ggagtatttc tacaccagtg gcaagtgtc caaccagca 240
gtcgtctttg tcaaccgaaa gaaccgcaa gtgtgtgcca acccagagaa gaaatgggtt 300
cgggagtaca tcaactcttt ggagatgagc taggatggag agtccttgaa cctgaactta 360
cacaaatttg cctgtgtctg cttgtctctg tctagcttgg gaggttccc ctcactatcc 420
tamccancc gctccttgaa rgggccagat ctaccaca 458

<210> 14071
<211> 412
<212> DNA
<213> Homo sapiens

<400> 14071
 aggggtgagtg ggagcccagg aaggagcgag taggagagag ggagcgagag ccaggcagga 60
 ccgcaggtcg gggctagtga ggagcgaggg caaggagaga gcagtgagggc cggagagaaa 120
 gaagctgccg cggaggaaga caggctgcgg gttcccggga ctgcaggtcc aggcagggtta 180
 ggaaccgctg cccaggggag ctaggaggaa gcggggagag agagcgagcg aaaagcgggg 240
 gtggggagga aagggggaga ttgaggtggg agagagaagc agagcgagag anaggaggct 300
 gctggaagga gaaagaagag ggtgaggagg cgacagaggg agaggaggaa gaagaggtag 360
 aaggagagag aaaggggaga gaaaggagag aggaggggtt gaggtgcatg aa 412

<210> 14072

<211> 275

<212> DNA

<213> Homo sapiens

<400> 14072
 gactggccag tggatttagc agcatggaag acatcagtgg cctcgaggag gacagtttca 60
 gcagaatggg ggctgcacaa acctgatcca agtgggatta agaaaaaat gggagaaggc 120
 tgagtgcagt ggctcatgcc tgtaatccca acactttgga aggcccagg tgggcggatc 180
 acttgaggtc aggagttcga gaccagcctg ggcaacatgg caaaaccccg tctctactaa 240
 aaatacaaaa actatccagg catgatggct gtttt 275

<210> 14073

<211> 360

<212> DNA

<213> Homo sapiens

<400> 14073
 acggggcgan atggcgggcg agnnacagga ggcgctgagg gagttcgtgg cggtgacggg 60
 cgccgaggag gaccggggcc gtttctttct cgagtcggcc ggctgggtact tgcagatcgc 120
 gctassagct tttatgagga cggaggggat gaagacattg tgaccatttc gcaggcaacc 180
 cccagttcag tgtccagagg cacagccccc agtgataata gaggtagatc cttcagagac 240
 ctcattyatg accaagatga agatgaggag gaagaggaag gccagakgtt ttatgctggg 300
 ggctcagaga gaagtggaca gcagattgtt ggccctccca ggaagaaaag tcccaacgag 360

<210> 14074

<211> 172

<212> DNA

<213> Homo sapiens

<400> 14074
 aataaaaggg garcggcgaa gaggcaggaa gacaagacca tgtcgaaggg ccccgggccc 60
 ggcggtccg cagcttcctc ggcgccccg gccgctaccg ctcagggtgct gcaggcacag 120
 cccgagaaac cgcagcacta cacctatgtt agatactaaa gaaggcttcc cc 172

<210> 14075

<211> 154

<212> DNA

<213> Homo sapiens

<400> 14075
 ctctttcctt cccaagcacc gaggaggccc cagctcccta ggggctgaga agctggagtc 60
 ctgggcaagg ggaggagctg agccctactc ttgcaagacc cccggcctcc tcaccccacg 120
 cgggaagcat gaacagaaaa gacagtaaga ggaa 154

<210> 14076
<211> 298
<212> DNA
<213> Homo sapiens

<400> 14076
ggctagcaat tataggatag attcatctaa aatatggtat tctgcatttt ggtttttttt 60
cttaagtga taataaccagt cttcaaagan aacaagggtga agacctattg cttcaataat 120
caagaatgct ttgtgtgttt tgaggtagga gcatgatcaa gtatgctttg gggattttct 180
gtatttagga gatcctggat tcttaattgt tggctaagtt ccagtcaagt aggaatcagt 240
gcagcctgta agttctccac attgacacac acacacacac acacacacac acacacga 298

<210> 14077
<211> 388
<212> DNA
<213> Homo sapiens

<400> 14077
aaggagacag tcatggaagc ggaggggtag tcttgacccc gcgtgggtcc tgacgccgag 60
attaagacga gtggccattt aggaggatgt ggaccctgga cgctcgtggt gctgtctgga 120
tgccgagtc acgatgggac cgagatccac gaggcctcgg cgatcctggt gcacctgagc 180
cgtggagggg ctgaagtcca gatctttgct cctgacgtcc ctcagatgca cgtgattgac 240
cacaccaagg ggcagccgct cgaagcgaga gcaggaatgt ttgaccgag cctgccccat 300
ccccactgaa gaggagtycc agcacatgtt aggaggacca cagatgactc ttcrcatgaat 360
ctctatttat acacaaatat ccttcaga 388

<210> 14078
<211> 417
<212> DNA
<213> Homo sapiens

<400> 14078
acagtaggta gsaagtctca gaggaaggag cccctccctg ggagccagac cccacacca 60
tggcgagcgt ggtggtgaag acgatctggc agtccaaasa gatccatgag gccggggmca 120
ccccacggg gktggagagc tgctcccagc tagtcccaga ggctccccgg aggtgaccag 180
ccgggccaag gggatcccga agaacaaaga aggccgaagc ggtcagtcag aggagatgag 240
acaatggaag tagtcagagt tatagccagg cacagtggct catgcctata atcccagcac 300
tttgggaggc caaggtgagc agatcgctg agtccagaag ttcaagacca gcctgggcca 360
catggcaaaa ccccgctctc acaaaamata caaaaataat tagctgggagc tgggtggt 417

<210> 14079
<211> 208
<212> DNA
<213> Homo sapiens

<400> 14079
aagacgctcg ggcggcgagg cccaggggaag gcagcggccg gagcgcgcaa ggtgttgaaa 60
gacagagaag cgaagacaga gacgtggaaa gacaggggag agagacacgg agagagacgc 120
agaaggacag agacgtggag agagacgcag agagacagag acgtggagag acacagagag 180
acktgagagag acacagagag actnnggag 208

<210> 14080
<211> 230
<212> DNA

<213> Homo sapiens

<400> 14080

gcggcgcgcg	cgaagacgct	cgggcggcgg	gacccagggg	aggcagcggc	cggagcgcg	60
aagaattagc	taggcgtggt	ggcaggtgcc	tgtaatccca	gctactcagg	aggctgaggc	120
aggagaatcg	cttgaacctg	ggaggcagag	gttgccgtga	gctgagatcg	cgccattgca	180
ctccagcctg	ggcgacaaga	gcaaaactcc	gtctcagaaa	aaaaaaaaaa		230

<210> 14081

<211> 407

<212> DNA

<213> Homo sapiens

<400> 14081

agtgtggtgt	aggacaggtc	tgaatcactg	tgccctgtccc	agggtggcaca	gtaatagacc	60
ccagaatcat	tttcaattag	atthttgcagt	ctcaatatcc	agctccacct	cctgggtgta	120
tgagtataat	acttttcttg	actgagtcct	gattccaaca	catnccttgc	ggtggagacg	180
tcatagtaca	gaagacgctg	tggggccttc	ccctcctggt	gtaggtacca	gtggatgtag	240
aaggtattht	ttacagtaag	atcgcaagt	atthtcagcag	atgacccagt	ctgcctgggtg	300
actgacttcg	ttctcccttc	caagttggaa	gatttctgac	tggctgcaat	gggaacaaca	360
caaaatacaa	tgaggtatth	ctthtgatgg	caccccttht	aagaaga		407

<210> 14082

<211> 261

<212> DNA

<213> Homo sapiens

<400> 14082

aagactctag	gagtccttht	gactgaagct	ggtctthtgc	ctctcctcac	agggcacccc	60
tcctgagact	gtggtgggaa	ccagcacaag	ccggagctgc	tgctgcaga	ttcacaaggg	120
gcaagthtga	atacgaatct	gctgtgttht	tatctgcca	gttcttatat	gtthtctggg	180
taaacactga	gacacgcca	gaaacaaaca	cacacatgca	caacttccct	gaccacaaga	240
ctacacacca	cacacacaca	c				261

<210> 14083

<211> 298

<212> DNA

<213> Homo sapiens

<400> 14083

acaagactct	tatctcaatc	tatctcccct	gaagtggcct	gaattaatac	tacctgtatg	60
atccccaaaa	ctcctaaagt	ggaaaatttg	attgacttgg	ccctgaccag	tggtattccc	120
agacaagggc	agaagatgca	aatacaaaac	ctctctggta	gaatgtaggc	tataatatga	180
gtacatthtt	gaaaagggct	agaatgatca	agaagagatt	agaaaaaac	agagccccta	240
gaaatgtaag	aagtgaatg	aaaagctcaa	tggatagctt	agacacagct	gaagagag	298

<210> 14084

<211> 187

<212> DNA

<213> Homo sapiens

<400> 14084

gtgcgccacg	tacgcggngg	ctctgagaac	ccggaagtta	cgtthttaggc	ccgcgtcacg	60
ggggcgggag	tcagctgagc	tgccggggcg	aggthtggat	cacctggcac	cggctgaagg	120

gagcctgtga tttttttgta gcggggggcg ggagtaaggt gcaagactgc gccagattca 180
aggacga 187

<210> 14085
<211> 278
<212> DNA
<213> Homo sapiens

<400> 14085
acagacctgc aaacatctat ggttggtgaca gagtttcttt ctgacacctg agtctttctc 60
ctgctgcacg gaaagcttgc tgggaggggc ttggaatctg gcatgaagcc aaagggcatc 120
tctgagttgc agcattttaa tgatccact cagagattca cacagaagac tggacacaat 180
tccgaagagc tgcccagaag gagagaacaa tgtcatcact acccgtagca tacacactgc 240
ctgtttcctt gcctggttgg tctgtcgtga taatcaca 278

<210> 14086
<211> 199
<212> DNA
<213> Homo sapiens

<400> 14086
acagaagagg aaacagtctc agggaggccc ggctgcaaga ctgggtgaca cacacagga 60
gtgtggatct gggccagtgg cggggagctt taaggtggcc acccaggaga ggaaccccca 120
gagagcccag atgaggctgc ggaggcagaa gaagggtgtg gtccccttcc tgggggattt 180
tctgactgag ttacagagg 199

<210> 14087
<211> 211
<212> DNA
<213> Homo sapiens

<400> 14087
atcgcgctgg gagaagactt cgccgctcgg ggccgcagcc tgggtgagctc agcccccttc 60
gggccctccc ctgcaccca gccggggcct ctccgagccg gcgctgatcg atgccgacac 120
accccgggga ccctatcgcg actccatcgc gccatatcgc gacaccatcg tgcctgtcgc 180
agattccatt ttgtcacagc ccttttcaat a 211

<210> 14088
<211> 424
<212> DNA
<213> Homo sapiens

<400> 14088
gctacttttg attgacaaac tggctataat agtctagggg aaaaatccct aaacagataa 60
agattcctaa agtaatggtg gcagctgatg tttcagtga cttttatctt gatgcgttta 120
aatggaagta atgccagacc tgagattttt aaggcatttt tacagcttgt attgaaatga 180
ttggagacat ggtttcttta ttagctatct tgagacctgt ggagtttaagc aagactttta 240
aaaattggca cccggagggt ggcttattgg gagatacttg aatgtcttca tgtctcgccc 300
gccaatcact cgggcagtga ccgtcttccc aaccttcagc ttggtagtag gagaggtgcc 360
ctctggaaca tcatctagaa tgtgcatggt gtattttgga aacaatgact agctggctgg 420
aaca 424

<210> 14089
<211> 414

<212> DNA
<213> Homo sapiens

<400> 14089
 aaaaaaactg tcccccccg gggagagag gtcgctctt ttcgcacact cctcgcgcaa 60
 ggggttaattt ctcaaactgc acgaggggga ggagatttcc ctgtagacga gtaaaaagg 120
 tgatggacaa acgtgcgggc actaagaccg caaggcattc atttcctcct acggtggatg 180
 cggacgccgg gaggaggaga gcccagaga gaggagctgg gagcggaggc gcaggcaatg 240
 ctcagccctg gatgtagctg agaggctggg agaagagacg accgctggag accgagcggc 300
 gtggggaaga cctagggggg tgrrtggggg aagcagacag gagaacactc gaaatcaagc 360
 gctttacaga ttattttatt ttgtatagag aacacgtagc gackccgaag acca 414

<210> 14090
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 14090
 aggtaagtaa agtataaccag aagagaacag acattatacc gtcaatatcc tcaaaggtta 60
 tttttcgggt attaggtctt aattcctact tcacaccttt tttttctttt tgagacggag 120
 tctagctctg tcaccaggct ggagtgcagt ggcgcgatct cggcccactg caacctctgc 180
 ctcccggggt caagtgatcc tccctgctct gtctcccaaa tagctgggac tatgggcgcg 240
 tgccactacg cccagctaat ttttgtattt ttagaagaga caaggtttca cttatttggc 300
 ca 302

<210> 14091
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 14091
 aaagagggag ccatggcctt gctgacatct tgatttcaga cttctatcct ccagaatggg 60
 aagagaatgg atttcaacag aatcgtgtgg cttcagatga taaagaagta agaatttcca 120
 ggggacctct gagggcttat ttgagggcat gaatatggaa aattcagctc cagctcctcc 180
 accccactcc ctgaacagca ctgcagaact gtgctaagct cctgtggcct ggaaagaaca 240
 gatgcaagag acataatgga gtctcgctct gtcaccaggc tggagtacag tggcgtgatt 300
 wtgctcactt caacctccgc ctcccggggt caagcaattc tccctgcc 347

<210> 14092
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 14092
 ttctcaggta tgtagtcatg tttgttgctg agcagtgagt tttggctagc ttatggcaag 60
 gtgatttaaat agacgttaaa gttgagtagc ttaggtattt cagtaggttg taaattgcca 120
 atgaattaat gttttcttcc tagagacctt caaataattt aagcccatct taaagggtga 180
 aatgaagtac ttccaaaatg ttaactttgc ctatatattg tattatagtt cagagtagat 240
 ctttcattga ggattgccct caacagctta actactttcc tcacattggg gtccagctaa 300
 gtacctcaag ttaaaggtaa gatcccttta ccagcagatc agtgcgatga attaggttgt 360
 tgtaaattat ggcaagtgtc tgtgttgcaa gagacacgta tttgggtcat gtgaccagaa 420
 gcatctaatt gtctaattct ctttaattgca aaagtcgggt tatgaaagac ttgggttaac 480
 ctgtgtggta taaacttact gaaaatcaga tgtagtgaga gtagtttgaa tgctttagt 540
 ctcagtatct gaaataagtg ttttgaaatt gttccagg 578

<210> 14093
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 14093
 catgtcgcgt ttgccagctg ccactatggt aagctttctc agtagagggt gctgcatgga 60
 cacagcagga ggaagagaca ttcttactaa tttctgcttc tgattatgtg ccagtcagca 120
 ttgtgcaggg tatccagtga caatcatctc catagttttg ctgtcacccc atcgggtagc 180
 tcgccagaag gt 192

<210> 14094
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 14094
 ccgcacgcgt tacaggagcc aggtcgggtat aagcscasg ncctcgccgn ccgtcaagct 60
 gtccacatcc ctggcctcag cccgccacat caccctgacc tgcttacgcc cagcctgtgg 120
 acattttcgc ggtccggggtc cctgcggcgg acgggtcgga tcgtgctcgt ggccagggcg 180
 cagtcagggtg tcgcgtgggtc ctgatctagg aagagactgc ggccttatca ccgtctcggg 240
 gtctgctttc accttcaactc cn 262

<210> 14095
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 14095
 ctgtgttact ggatgaagtt gcagaagata tgggtaagtg tcaccttacc aaaggcaaac 60
 aggtctctaga gattcgaagt agtttatctg agaagagagc acttactgat ccaaacaggg 120
 aacagaatat tcgcgaatct ctngtgcgga atctacagtg ggccaaggct catgaacttc 180
 cagaaagtat gtgtcttaag tttgactgtg gtgttcagat tcaattagga tttgcagctg 240
 agttttccat gtcgatgatca tctatacaag tatagtttac aaacca 286

<210> 14096
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 14096
 aaaaaactag cagtttggca agtcagtgca agaggctgac ttctgagagg cttccaggag 60
 cccgaagaga ggacctccac gggagaaggg agtgcggtgtg ctcgggtttt tttttctc 118

<210> 14097
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 14097
 atcaggagtt gtcaaggcag agaagagagt gtttgcaaaa gggggaaagt agtttgctgc 60
 ctctttaaga ctaggactga gagaagaag aggagagaga aagaaaggga gagaagtttg 120
 agccccaggc ttaagccttt caaaaaata ataataacaa tcatcggcgg cggcaggatc 180

ggccagagga ggaggggaagc gctttttttg atcctgattc cagtttgcct ctctcttttt 240
ttcccccaaa ttattcttcg ntgattttcc tcgcggaccc tgcrcctccc acacccccgc 300

<210> 14098
<211> 109
<212> DNA
<213> Homo sapiens

<400> 14098
tgtttgacta atacagcttg gaggagaggt tagtcaagag ataagcccct taacctctga 60
tggactgaaa ataatcagga actttaaaaa ggaggaaata tgtagccaa 109

<210> 14099
<211> 249
<212> DNA
<213> Homo sapiens

<400> 14099
atcttggtcc caggggcagt tggcggaaga gatcgagctc cctggctgcc ggctcgcctt 60
ctgogtggag ttctcgcggt ctgggttttcg ctgtctgctc ttggcccggg gtcattttgt 120
cggcgtcggg tgccctctct tgcacagctg gggcacagcg aggcggcccc ttctcccgac 180
gacgttcgat ggagtagggg cccagaccgt tgtcccgaag agcgagatcg agcttgggcc 240
cctcccccc 249

<210> 14100
<211> 232
<212> DNA
<213> Homo sapiens

<400> 14100
gttttaggaag aggaggggac ggctgtcatc aatgaagtca tattcataat ctagtcctct 60
ctccctctgt ttctgtactc tgggtgactc agagagggaa gagattcagc cagcacactc 120
ctcgcgagca agcattactc tactgactgg cagagacagg agargtagat gtccacgccc 180
acagaccctg gtgcgatgcc ccacccaggg ccttcgcgcy ggccctgggccc tt 232

<210> 14101
<211> 165
<212> DNA
<213> Homo sapiens

<400> 14101
ttccggctcc ggtgtcatgg ccggctccta cctgaaggt gcacctgcag tctcgcgga 60
taagaggcag cagttcggaa gccggttcct gagagatccg gcgcgcgtct tccaccacaa 120
tgctgggac aatgtggagt ggtcgggaaga gcaagccgcy gcggc 165

<210> 14102
<211> 201
<212> DNA
<213> Homo sapiens

<400> 14102
ttgtcatggc cggctcctac cctgaaggtg cacctgcaat cctcgcgat aagaggcagc 60
agttcggaa cgggttcctg agcgatccgg cgcgcgtctt ccaccacaa gcttggaat 120
caccctgccc cctcgcgccc cctgtcgtg gccgtctgtc ccgcgcctc ggagcattcc 180

gaaaagcccc tgaccgccga c

201

<210> 14103
<211> 137
<212> DNA
<213> Homo sapiens

<400> 14103
aagatcctcc aagagcactg ccgcatgcac cagagacctc cccggggccc tgggtcctgg 60
catttggaca gtgcaatctg gccaaagctca tgtccactca aggttatggc agctccagtg 120
tctcttgaat gtgaaag 137

<210> 14104
<211> 196
<212> DNA
<213> Homo sapiens

<400> 14104
tgtttccggc ggcgtcgcgc gtttgcgagc ctccgggtggt cctcagggag gcaggattcc 60
tggttttcaa gcctgagctg atctctcggc tggagcaggg agaagagcca tgggtcctcg 120
acctgcaggg agcagagggg acagaggcac carggacctc caagacagat tctacgatta 180
ggactgaaaa tgagca 196

<210> 14105
<211> 142
<212> DNA
<213> Homo sapiens

<400> 14105
acagtataaa acttcacagt gccaatacca tgaagaggag ctccagacagc tcttaccaca 60
tgatacaaga gccggctggg ggaagagtgg ggaccagaaa gagaatttgc tgaagaggag 120
aaggaaaaaa aaacacccaaa aa 142

<210> 14106
<211> 319
<212> DNA
<213> Homo sapiens

<400> 14106
acacactgct caggggaagag cctgctacgg tggactgtga gactcagtgc actgtcctcc 60
tcccagcgac cccacgctgg accccctgcc ggaccctcca cccttcggcc cccaagcttc 120
ccaggggctt cctttggact ggactgtccc tgctcatcca ttctcctgcc acccccagac 180
gtcctcagct ccaanttgcc acctcctctc gccagagtga tgaggtccc gcttctgctc 240
tcwrnngccc atctgcccac aattcggggag accacggagg agatgctgct tgggggtcct 300
ggannggagc cccmaccctc 319

<210> 14107
<211> 147
<212> DNA
<213> Homo sapiens

<400> 14107
tgagcggaga agagcgagca ggggagagcg agaccagttt taaggggagg accggtgcga 60
gtgaggcagc cccgaggctc tgctcgccca ccaccaatc ctgcctcyc ttctgctcca 120